

3 1761 11708385 7





Digitized by the Internet Archive  
in 2023 with funding from  
University of Toronto

<https://archive.org/details/31761117083857>











CAI MT 51

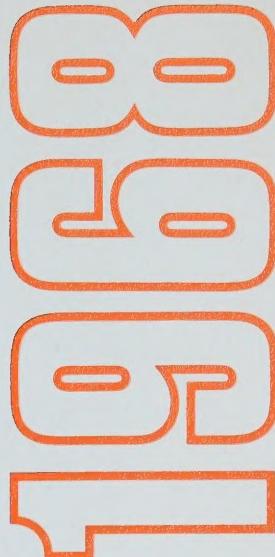
(35) S22

Government  
Publications

15

Canada Inland waters branch

# electric power in canada



map supplement  
atlantic provinces



CH 4751

500



CANADA

TRANSMISSION  
AND  
GENERATING FACILITIES

---

Atlantic Provinces

INLAND WATERS BRANCH  
DEPARTMENT OF ENERGY, MINES AND RESOURCES

©  
QUEEN'S PRINTER FOR CANADA  
OTTAWA, 1969

Cat. No. M23-108/1968-1

**HYDRO**

## HYDRO

| No. | Development | River | Owner | Year<br>Installed |                | Rated<br>Head<br>ft. | No.<br>of<br>Units | Turbines                |                          | Generators              |                          |
|-----|-------------|-------|-------|-------------------|----------------|----------------------|--------------------|-------------------------|--------------------------|-------------------------|--------------------------|
|     |             |       |       | First<br>Unit     | Latest<br>Unit |                      |                    | Unit<br>Capacity<br>hp. | Total<br>Capacity<br>hp. | Unit<br>Capacity<br>kw. | Total<br>Capacity<br>kw. |
|     |             |       |       |                   |                |                      |                    |                         |                          |                         |                          |

### New Brunswick

|                                                                       |             |            |       |      |      |       |   |         |         |         |         |
|-----------------------------------------------------------------------|-------------|------------|-------|------|------|-------|---|---------|---------|---------|---------|
| 1                                                                     | Mactaquac   | Saint John | NBEPC | 1968 | 1968 |       | 3 | 140,000 | 420,000 | 100,000 | 300,000 |
| 2                                                                     | Beechwood   | Saint John | NBEPC | 1957 | 1962 | 57    | 2 | 45,000  |         | 36,000  |         |
|                                                                       |             |            |       |      |      |       | 1 | 55,000  | 145,000 | 40,500  | 112,500 |
| 3                                                                     | Grand Falls | Saint John | NBEPC | 1928 | 1931 | 125   | 4 | 20,000  | 80,000  | 15,750  | 63,000  |
| 4                                                                     | Tinker      | Aroostook  | MNBP  | 1906 | 1965 | 85    | 2 | 2,000   |         | 1,500   |         |
|                                                                       |             |            |       |      |      |       | 2 | 5,000   |         | 3,520   |         |
|                                                                       |             |            |       |      |      |       | 1 | 33,000  | 47,000  | 20,800  | 30,840  |
| 5                                                                     | Tobique     | Tobique    | NBEPC | 1953 | 1953 | 75    | 2 | 13,500  | 27,000  | 10,000  | 20,000  |
| 6                                                                     | Great Falls | Nepisiguit | BPPC  | 1921 | 1930 | 108   | 2 | 5,000   |         | 3,600   |         |
|                                                                       |             |            |       |      |      | 110   | 1 | 5,500   | 15,500  | 3,600   | 10,800  |
| 7                                                                     | Sisson      | Tobique    | NBEPC | 1965 | 1965 | 135   | 1 | 12,500  | 12,500  | 10,000  | 10,000  |
| 8                                                                     | Musquash    | Musquash   | NBEPC | 1920 | 1920 | 99.5  | 2 | 3,670   |         | 2,320   |         |
|                                                                       |             |            |       |      |      | 124.5 | 1 | 3,760   | 11,100  | 2,320   | 6,960   |
| 9                                                                     | Milltown    | St. Croix  | NBEPC | 1911 | 1967 | 21    | 3 | 1,080   |         | 770     |         |
|                                                                       |             |            |       |      |      | 25    | 1 | 500     |         | 376     |         |
|                                                                       |             |            |       |      |      | 30    | 1 | 468     |         | 350     |         |
|                                                                       |             |            |       |      |      |       | 1 | 500     |         | 400     |         |
|                                                                       |             |            |       |      |      |       | 1 | 900     | 5,608   | 700     | 4,136   |
| 10                                                                    | Edmundston  | Madawaska  | FC    | 1918 | 1918 | 21.1  | 2 | 1,000   | 2,000   | 1,000   | 2,000   |
| Total capacity of plants under 1,500 kw.                              |             |            |       |      |      |       |   |         | 3,025   | 2,500   |         |
| Total capacity of turbines connected directly to mechanical equipment |             |            |       |      |      |       |   |         |         |         |         |
| Total (all plants)                                                    |             |            |       |      |      |       |   |         | 773,733 | 562,736 |         |

### Nova Scotia

|   |                  |                     |       |      |      |      |   |        |        |        |        |
|---|------------------|---------------------|-------|------|------|------|---|--------|--------|--------|--------|
| 1 | Weymouth Falls   | Sissiboo            | NSPC  | 1960 | 1967 | 122  | 2 | 12,000 | 24,000 | 9,000  | 18,000 |
| 2 | Lequille         | Allain              | NSLPC | 1968 | -    |      | 1 | 15,000 | 15,000 | 11,200 | 11,200 |
| 3 | Deep Brook       | Mersey              | NSPC  | 1950 | 1950 | 46   | 2 | 6,400  | 12,800 | 4,500  | 9,000  |
| 4 | Big Falls        | Mersey              | NSPC  | 1929 | 1929 | 58   | 2 | 6,350  | 12,700 | 4,500  | 9,000  |
| 5 | Lower Lake Falls | Mersey              | NSPC  | 1929 | 1929 | 48.5 | 2 | 5,300  | 10,600 | 3,690  | 7,380  |
| 6 | Cowie Falls      | Mersey              | NSPC  | 1937 | 1937 | 43   | 2 | 5,100  | 10,200 | 3,600  | 7,200  |
| 7 | Ruth Falls       | East, Sheet Harbour | NSPC  | 1927 | 1936 | 110  | 2 | 3,145  |        | 2,000  |        |
|   |                  |                     |       |      |      | 109  | 1 | 4,300  | 10,590 | 2,970  | 6,970  |
| 8 | Hells Gates      | Black               | NSLPC | 1930 | 1949 | 185  | 1 | 4,500  |        | 3,360  |        |
|   |                  |                     |       |      |      |      | 1 | 4,500  | 9,000  | 3,570  | 6,930  |

# HYDRO

| No.                                                                   | Development       | River               | Owner | Year Installed |             | Rated Head ft. | No. of Units | Turbines          |                    | Generators        |                    |
|-----------------------------------------------------------------------|-------------------|---------------------|-------|----------------|-------------|----------------|--------------|-------------------|--------------------|-------------------|--------------------|
|                                                                       |                   |                     |       | First Unit     | Latest Unit |                |              | Unit Capacity hp. | Total Capacity hp. | Unit Capacity kw. | Total Capacity kw. |
| <b>NOVA SCOTIA (Cont'd)</b>                                           |                   |                     |       |                |             |                |              |                   |                    |                   |                    |
| 9                                                                     | Nictaux           | Nictaux             | NSLPC | 1954           | -           | 382            | 1            | 9,000             | 9,000              | 6,800             | 6,800              |
| 10                                                                    | Gulch             | Bear                | NSPC  | 1956           | -           | 225            | 1            | 8,500             | 8,500              | 6,000             | 6,000              |
| 11                                                                    | Sissiboo Falls    | Sissiboo            | NSPC  | 1960           | -           | 87             | 1            | 8,000             | 8,000              | 6,000             | 6,000              |
| 12                                                                    | Upper Lake Falls  | Mersey              | NSPC  | 1929           | 1929        | 31.5           | 2            | 2,350             | 4,700              | 2,700             | 5,400              |
| 13                                                                    | Hollow Bridge     | Black               | NSLPC | 1940           | -           | 148            | 1            | 7,500             | 7,500              | 5,312             | 5,312              |
| 14                                                                    | Tidewater         | North East          | NSPC  | 1921           | 1921        | 91.5           | 2            | 3,450             | 6,900              | 2,320             | 4,640              |
| 15                                                                    | Lower Great Brook | Mersey              | NSPC  | 1955           | 1955        | 22             | 2            | 3,120             | 6,240              | 2,250             | 4,500              |
| 16                                                                    | Ridge             | Bear                | NSPC  | 1957           | -           | 140            | 1            | 5,300             | 5,300              | 4,000             | 4,000              |
| 17                                                                    | Dickie Brook      | Dickie Brook        | NSPC  | 1948           | 1948        | 298            | 1            | 1,750             | 3,500              | 1,200             | 3,800              |
| 18                                                                    | Avon No. 1        | Avon                | NSLPC | 1958           | -           | 117.5          | 1            | 5,000             | 5,000              | 3,750             | 3,750              |
| 19                                                                    | Malay Falls       | East, Sheet Harbour | NSPC  | 1924           | 1954        | 43<br>41       | 2<br>1       | 1,850<br>1,740    | 5,440              | 1,200<br>1,200    | 3,600              |
| 20                                                                    | Paradise          | Paradise Brook      | NSLPC | 1950           | -           | 465            | 1            | 5,000             | 5,000              | 3,600             | 3,600              |
| 21                                                                    | Methal's          | Methal's Brook      | NSLPC | 1949           | -           | 45             | 1            | 4,600             | 4,600              | 3,400             | 3,400              |
| 22                                                                    | Sandy Lake        | North East          | NSPC  | 1927           | 1927        | 118            | 2            | 2,500             | 5,000              | 1,600             | 3,200              |
| 23                                                                    | White Rock        | Gasperaux           | NSLPC | 1952           | -           | 58             | 1            | 4,000             | 4,000              | 3,200             | 3,200              |
| 24                                                                    | St. Croix         | St. Croix           | MBPP  | 1934           | -           | 148            | 1            | 4,200             | 4,200              | 3,000             | 3,000              |
| 25                                                                    | Avon No. 2        | Avon                | NSLPC | 1929           | -           | 142            | 1            | 3,900             | 3,900              | 3,000             | 3,000              |
| 26                                                                    | Lumsden           | Black               | NSLPC | 1942           | -           | 72             | 1            | 4,500             | 4,500              | 2,800             | 2,800              |
| 27                                                                    | Mill Lake         | North East          | NSPC  | 1921           | 1921        | 162.5          | 2            | 1,900             | 3,800              | 1,280             | 2,560              |
| 28                                                                    | Tusket            | Tusket              | NSPC  | 1929           | 1929        | 18             | 3            | 940               | 2,820              | 720               | 2,160              |
| 29                                                                    | Salmon Hole       | St. Croix           | MBPP  | 1938           | -           | 75             | 1            | 2,500             | 2,500              | 2,000             | 2,000              |
| Total capacity of plants under 1,500 kw.                              |                   |                     |       |                |             |                |              | 6,365             |                    | 4,358             |                    |
| Total capacity of turbines connected directly to mechanical equipment |                   |                     |       |                |             |                |              |                   |                    |                   |                    |
| Total (all plants)                                                    |                   |                     |       |                |             |                |              | 221,655           |                    | 162,760           |                    |

## *Newfoundland*

|   |              |         |      |      |      |     |   |         |         |        |         |
|---|--------------|---------|------|------|------|-----|---|---------|---------|--------|---------|
| 1 | Bay d'Espoir | Salmon  | NPC  | 1967 | 1967 |     | 4 | 100,000 | 400,000 | 76,500 | 306,000 |
| 2 | Twin Falls   | Unknown | TFPC | 1962 | 1963 | 290 | 5 | 60,000  | 300,000 | 46,800 | 234,000 |

**HYDRO**

| No. | Development | River | Owner | Year<br>Installed |                | Rated<br>Head<br>ft. | No.<br>of<br>Units | Turbines                |                          | Generators              |                          |
|-----|-------------|-------|-------|-------------------|----------------|----------------------|--------------------|-------------------------|--------------------------|-------------------------|--------------------------|
|     |             |       |       | First<br>Unit     | Latest<br>Unit |                      |                    | Unit<br>Capacity<br>hp. | Total<br>Capacity<br>hp. | Unit<br>Capacity<br>kw. | Total<br>Capacity<br>kw. |
|     |             |       |       |                   |                |                      |                    |                         |                          |                         |                          |

NEWFOUNDLAND (Cont'd)

|    |                |                         |      |      |      |          |   |                            |        |                            |         |
|----|----------------|-------------------------|------|------|------|----------|---|----------------------------|--------|----------------------------|---------|
| 3  | Deer Lake      | Humber                  | BPC  | 1925 | 1930 | 247      | 4 | 16,000<br>3<br>16,000<br>2 |        | 11,284<br>11,305<br>19,950 | 118,951 |
| 4  | Grand Falls    | Exploits                | PPP  | 1909 | 1938 | 109      | 3 | 2,500<br>1                 | 43,500 | 1,500<br>26,000            | 30,500  |
| 5  | Menihek        | Ashuanipi<br>(Labrador) | IOCC | 1954 | 1960 | 34<br>40 | 2 | 6,000<br>13,500            | 25,500 | 4,250<br>10,200            | 18,700  |
| 6  | Bishops Falls  | Exploits                | PPP  | 1909 | 1952 | 35       | 7 | 2,700<br>1,500             | 21,900 | 2,025<br>1,500             | 17,175  |
| 7  | Rattling Brook | Rattling Brook          | NLPC | 1958 | 1958 | 307      | 2 | 8,500                      | 17,000 | 6,375                      | 12,750  |
| 8  | Mobile         | Mobile                  | NLPC | 1951 | -    | 370      | 1 | 13,000                     | 13,000 | 9,350                      | 9,350   |
| 9  | Watson's Brook | Corner Brook            | BPC  | 1958 | 1958 | 559      | 2 | 6,000                      | 12,000 | 4,600                      | 9,200   |
| 10 | Horse Chops    | Horse Chops             | NLPC | 1953 | -    | 276      | 1 | 10,000                     | 10,000 | 7,650                      | 7,650   |
| 11 | Tors Cove      | Tors Cove               | NLPC | 1942 | 1951 | 173      | 2 | 2,850<br>3,500             | 9,200  | 2,000<br>2,500             | 6,500   |
| 12 | Cape Broyle    | Horse Chops             | NLPC | 1952 | -    | 176      | 1 | 7,600                      | 7,600  | 6,000                      | 6,000   |
| 13 | Sandy Brook    | Sandy Brook             | NLPC | 1963 | -    | 115      | 1 | 8,000                      | 8,000  | 5,950                      | 5,950   |
| 14 | Lookout Brook  | Lookout Brook           | WCPC | 1945 | 1958 | 575      | 2 | 1,850<br>3,600             | 7,300  | 1,400<br>2,400             | 5,200   |
| 15 | Petty Harbour  | Petty Harbour           | NLPC | 1908 | 1926 | 190      | 2 | 2,100<br>2,750             | 6,950  | 1,600<br>1,800             | 5,000   |
| 16 | New Chelsea    | New Chelsea<br>Brook    | NLPC | 1957 | -    | 275      | 1 | 5,600                      | 5,600  | 4,000                      | 4,000   |
| 17 | Seal Cove      | Seal Cove               | NLPC | 1922 | 1927 | 190      | 1 | 1,500<br>3,040             | 4,540  | 1,200<br>2,400             | 3,600   |
| 18 | Pierres Brook  | Pierres Brook           | NLPC | 1931 | -    | 263      | 1 | 4,500                      | 4,500  | 3,200                      | 3,200   |
| 19 | Rocky Pond     | Tors Cove               | NLPC | 1943 | -    | 107      | 1 | 4,200                      | 4,200  | 3,200                      | 3,200   |
| 20 | Lockston       | Lockston                | NLPC | 1956 | 1961 | 270      | 2 | 2,000                      | 4,000  | 1,500                      | 3,000   |
| 21 | Hearts Content | Hearts Content<br>Brook | NLPC | 1960 | -    | 150      | 1 | 3,600                      | 3,600  | 2,400                      | 2,400   |
| 22 | Buchans Brook  | Buchans Brook           | ASRC | 1927 | -    | 163      | 1 | 2,359                      | 2,359  | 1,760                      | 1,760   |

Total capacity of plants 1,500 kw. 7,490 5,440

Total capacity of turbines connected directly to mechanical equipment 22,000

Total (all plants) 1,110,239 819,526

**THERMAL**

**THERMAL**

| No. | Station | Location | Owner | Year<br>Installed |                | Fuel | Type<br>of<br>Prime<br>Mover | Generators |                         |                          |
|-----|---------|----------|-------|-------------------|----------------|------|------------------------------|------------|-------------------------|--------------------------|
|     |         |          |       | First<br>Unit     | Latest<br>Unit |      |                              | No.        | Unit<br>Capacity<br>kw. | Total<br>Capacity<br>kw. |

*New Brunswick*

|    |                  |                 |       |      |      |                         |    |   |        |         |
|----|------------------|-----------------|-------|------|------|-------------------------|----|---|--------|---------|
| 1  | Courtenay Bay    | East Saint John | NBEPC | 1961 | 1967 | Oil                     | S  | 1 | 50,000 |         |
| 2  | Grand Lake No. 2 | Newcastle Creek | NBEPC | 1951 | 1963 | Coal                    | S  | 2 | 13,365 | 283,365 |
| 3  | Chatham          | Chatham         | NBEPC | 1948 | 1956 | Coal,<br>oil            | S  | 1 | 5,000  |         |
| 4  | Lancaster        | Lancaster       | IPP   | 1947 | 1960 | Oil                     | S  | 1 | 15,000 | 85,000  |
| 5  | Bathurst         | Bathurst        | CB    | 1937 | 1958 | Coal,<br>oil            | S  | 1 | 20,000 | 32,500  |
| 6  | Edmundston       | Edmundston      | FC    | 1949 | 1958 | Coal,<br>wood-<br>waste | S  | 1 | 2,000  |         |
| 7  | Dalhousie        | Dalhousie       | NBIPC | 1929 | 1937 | Coal                    | S  | 1 | 10,000 | 24,500  |
| 8  | Dock Street      | Saint John      | NBEPC | 1929 | 1947 | Coal,<br>oil            | S  | 1 | 12,500 |         |
| 9  | Newcastle        | Newcastle       | FC    | -    | 1967 | Coal                    | S  | 1 | 6,000  | 20,600  |
| 10 | Grand Lake No. 1 | Newcastle Creek | NBEPC | 1931 | 1944 | Coal                    | S  | 1 | 7,600  |         |
| 11 | Atholville       | Atholville      | FC    | 1929 | 1956 | Coal,<br>wood-<br>waste | S  | 1 | 800    | 17,100  |
| 12 | Saint John       | Saint John      | ASR   | 1954 | 1962 | Oil                     | S  | 1 | 750    |         |
| 13 | Edmundston       | Edmundston      | ME    | 1947 | 1955 | Oil                     | IC | 2 | 1,000  | 13,750  |
| 14 | Campbellton      | Campbellton     | CC    | 1946 | 1953 | Oil                     | IC | 1 | 2,000  |         |
| 15 | Grand Manan      | Grand Manan     | NBEPC | 1957 | 1966 | Oil                     | IC | 1 | 5,000  | 2,736   |

Total capacity of plants 1,500 kw. and over (not listed above)

Total capacity of plants under 1,500 kw.

2,000

Total (all plants)

551,585

# THERMAL

| No. | Station | Location | Owner | Year<br>Installed |                | Fuel | Type<br>of<br>Prime<br>Mover | Generators |                         |                          |
|-----|---------|----------|-------|-------------------|----------------|------|------------------------------|------------|-------------------------|--------------------------|
|     |         |          |       | First<br>Unit     | Latest<br>Unit |      |                              | No.        | Unit<br>Capacity<br>kw. | Total<br>Capacity<br>kw. |

## Nova Scotia

|    |                    |                   |       |      |      |                        |    |                  |                                      |         |
|----|--------------------|-------------------|-------|------|------|------------------------|----|------------------|--------------------------------------|---------|
| 1  | Lower Water Street | Halifax           | NSLPC | 1944 | 1959 | Coal,<br>oil           | S  | 1<br>2<br>1<br>2 | 12,500<br>20,000<br>25,000<br>45,000 | 167,500 |
| 2  | Glace Bay          | Glace Bay         | NSPC  | 1932 | 1966 | Coal                   | S  | 2<br>4<br>1      | 6,000<br>15,000<br>36,000            | 108,000 |
| 3  | Tufts Cove         | Tufts Cove        | NSLPC | 1965 | -    | -                      | S  | 1                | 100,000                              | 100,000 |
| 4  | Trenton            | Trenton           | NSPC  | 1951 | 1959 | Coal                   | S  | 2<br>2           | 10,000<br>20,000                     | 60,000  |
| 5  | Sydney             | Sydney            | DOSCO | 1919 | 1943 | Coal,<br>oil, gas      | S  | 1<br>2<br>1<br>1 | 7,600<br>3,000<br>5,000<br>16,000    | 34,600  |
| 6  | Harrison Lake      | Maccan            | NSPC  | 1926 | 1949 | Coal                   | S  | 1<br>1<br>1<br>1 | 15,000<br>6,000<br>1,500<br>4,000    | 26,500  |
| 7  | Abercrombie Point  | Abercrombie Point | SMP   | 1967 | -    |                        |    | 1                | 18,750                               | 18,750  |
| 8  | Port Hawkesbury    | Point Tupper      | NSP   | 1962 | -    | Coal                   | S  | 1                | 10,000                               | 10,000  |
| 9  | Brooklyn           | Brooklyn          | BMPC  | 1943 | -    | Oil,<br>wood-<br>waste | S  | 1                | 5,170                                | 5,170   |
| 10 | Dartmouth          | Dartmouth         | IOC   | 1965 | -    | Oil                    | S  | 1                | 3,750                                | 3,750   |
| 11 | King Street        | Yarmouth          | NSLPC | 1937 | 1948 | Oil                    | IC | 1<br>1<br>2      | 320<br>400<br>600                    | 1,920   |

Total capacity of plants 1,500 kw. and over (not listed above) 5,200

Total capacity of plants under 1,500 kw. 2,070

Total (all plants) 543,460

# THERMAL

| No. | Station       | Location      | Owner | Year Installed |             | Fuel | Type of Prime Mover | Generators |                   |                    |
|-----|---------------|---------------|-------|----------------|-------------|------|---------------------|------------|-------------------|--------------------|
|     |               |               |       | First Unit     | Latest Unit |      |                     | No.        | Unit Capacity kw. | Total Capacity kw. |
| 1   | Charlottetown | Charlottetown | MEC   | 1931           | 1963        | Oil  | S                   | 1          | 1,500             |                    |
|     |               |               |       |                |             |      |                     | 1          | 4,000             |                    |
|     |               |               |       |                |             |      |                     | 2          | 7,500             |                    |
|     |               |               |       |                |             |      |                     | 1          | 10,000            |                    |
|     |               |               |       |                |             |      |                     | 2          | 20,000            | 70,500             |
| 2   | Summerside    | Summerside    | MS    | 1940           | 1963        | Oil  | IC                  | 1          | 200               |                    |
|     |               |               |       |                |             |      |                     | 2          | 250               |                    |
|     |               |               |       |                |             |      |                     | 1          | 555               |                    |
|     |               |               |       |                |             |      |                     | 1          | 1,135             |                    |
|     |               |               |       |                |             |      |                     | 2          | 2,250             | 6,890              |

Total capacity of plants 1,500 kw. and over (not listed above)

Total capacity of plants under 1,500 kw.

Total (all plants)

77,390

## Newfoundland

|    |                  |                  |      |      |      |     |    |   |        |        |
|----|------------------|------------------|------|------|------|-----|----|---|--------|--------|
| 1  | St. John's       | St. John's       | NLPC | 1957 | 1959 | Oil | S  | 1 | 10,000 |        |
| 2  | Salt Pond        | Salt Pond        | NLPC | 1964 | 1968 | Oil | IC | 3 | 500    | 30,000 |
| 3  | Control Centre   | Holyrood         | NPC  | 1966 | -    | Gas | GT | 1 | 14,400 | 15,900 |
| 4  | Grand Falls      | Grand Falls      | PPP  | 1930 | 1931 | Oil | S  | 2 | 5,000  | 10,000 |
| 5  | Corner Brook     | Corner Brook     | BPC  | 1957 | -    | Oil | S  | 1 | 6,600  | 6,600  |
| 6  | Tilt Cove        | Tilt Cove        | TCPC | 1960 | -    | Oil | S  | 1 | 5,000  | 5,000  |
| 7  | Wabush Lake      | Wabush Lake      | WM   |      | 1963 | Oil | IC | 4 | 1,000  | 4,000  |
| 8  | Goose Bay        | Goose Bay        | DOT  | 1952 | 1959 | Oil | IC | 4 | 750    |        |
|    |                  |                  |      |      |      |     |    | 1 | 1,000  | 4,000  |
| 9  | Labrador City    | Carol Lake       | IOCC |      |      | Oil |    |   |        | 3,910  |
| 10 | Palmquist        | Gander           | DOT  | 1948 | 1962 | Oil | IC | 3 | 1,000  | 3,000  |
| 11 | Happy Valley     | Goose Bay        | NLPC | 1967 | 1967 | Oil | IC | 2 | 1,100  |        |
|    |                  |                  |      |      |      |     |    | 2 | 250    | 2,700  |
| 12 | Port aux Basques | Port aux Basques | NLPC | 1945 | 1964 | Oil | IC | 2 | 350    |        |
|    |                  |                  |      |      |      |     |    | 3 | 250    |        |
|    |                  |                  |      |      |      |     |    | 1 | 280    |        |
|    |                  |                  |      |      |      |     |    | 2 | 300    |        |
|    |                  |                  |      |      |      |     |    | 1 | 209    | 2,539  |
| 13 | St John's        | St. John's       | NLPC | 1956 | -    | Oil | IC | 1 | 2,500  | 2,500  |

Total capacity of plants 1,500 kw. and over (not listed above)

4,000

Total capacity of plants under 1,500 kw.

17,327

Total (all plants)

125,626

GT - Gas Turbine, IC - Internal Combustion, S - Steam

## **OWNER CODE INDEX**

| CODE       | OWNER                                             |
|------------|---------------------------------------------------|
| ASR.....   | Atlantic Sugar Refineries                         |
| ASRC.....  | American Smelting and Refining Company Limited    |
| BMP.....   | Bowaters Mersey Paper Company Limited             |
| BPC.....   | Bowater Power Company Limited                     |
| CB.....    | Consolidated-Bathurst Limited                     |
| CC.....    | City of Campbellton                               |
| DOSCO..... | Dominion Iron and Steel Company Limited           |
| DOT.....   | Department of Transport, Government of Canada     |
| FC.....    | Fraser Companies Limited                          |
| IOC.....   | Imperial Oil Limited                              |
| IOCC.....  | Iron Ore Company of Canada                        |
| IPP.....   | Irving Pulp and Paper Limited                     |
| MBPP.....  | Minas Basin Pulp and Power Company                |
| ME.....    | Municipality of Edmundston                        |
| MEC.....   | Maritime Electric Company Limited                 |
| MNBP.....  | Maine and New Brunswick Electrical Power Co. Ltd. |
| MS.....    | Municipality of Summerside                        |
| NBEPC..... | New Brunswick Electric Power Commission           |
| NBIPC..... | New Brunswick International Paper Company Limited |
| NLPC.....  | Newfoundland Light and Power Co. Limited          |
| NPC.....   | Newfoundland and Labrador Power Commission        |
| NSLPC..... | Nova Scotia Light and Power Company Limited       |
| NSP.....   | Nova Scotia Pulp Limited                          |
| NSPC.....  | Nova Scotia Power Commission                      |
| PPP.....   | Price (Nfld) Pulp and Paper Limited               |
| SMP.....   | Scott Maritimes Pulp Limited                      |
| TCPC.....  | Tilt Cove Power Corporation                       |
| TFPC.....  | Twin Falls Power Company Limited                  |
| WCPC.....  | West Coast Power Company Limited                  |
| WM.....    | Wabush Mines                                      |





Inland Waters Branch

DEPARTMENT OF ENERGY, MINES AND RESOURCES  
OTTAWA, CANADA

Commenced in 1967 and completed in 1968, the 11,200-kilowatt Lequille hydroelectric station, housed in a replica of an old French grist mill, is the Centennial project of Nova Scotia Light and Power Company.

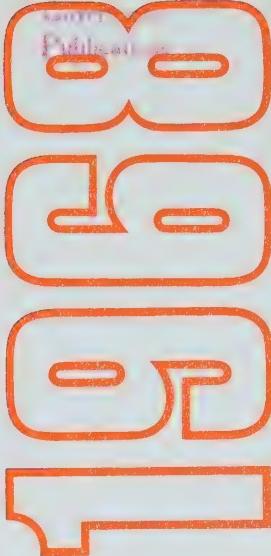
The station stands on a site close to what is believed to be the exact location of America's first grist mill, built near Port Royal by the French baron and mill-owner, Poutrincourt, in 1607. Poutrincourt's mill has been described as the first engineering achievement in the new world. Close by, Canada's first wheat was planted and harvested.

The mill which houses the hydro plant is not an exact replica of Poutrincourt's mill, as the records left by Champlain and Lescarbot, contemporaries of Poutrincourt, fail to disclose any of the structural details. The present building is, however, an authentic replica of a typical French grist mill of the period 1550 to 1750, the "Baroque" period, in Europe. It is roofed with hand-split cedar shingles similar to those used in the early 1600's. The sides are faced with old brick of a type made in the Annapolis area in the same period.

The Lequille River, known variously throughout its chequered history as the Dauphin River, Mill River, Allain's or Allen's River, supplies water through 1,530 feet of 7' diameter penstock to drive the station's 15,000-horsepower turbine.

The few horsepower extracted by Poutrincourt's mill from the Lequille River in the early seventeenth century was used to grind grain for the small settlement of Port Royal; three hundred and sixty years later, Nova Scotia Light and Power Company's "mill" on North America's oldest working river feeds electrical energy to a transmission grid which supplies power to a flour mill on the Halifax waterfront.

CAI MT 51  
S22



# electric power in canada



map supplement  
british columbia



CANADA  
Soc



TRANSMISSION  
AND  
GENERATING FACILITIES

---

**British Columbia • Yukon  
and Northwest Territories**

INLAND WATERS BRANCH  
DEPARTMENT OF ENERGY, MINES AND RESOURCES

©  
QUEEN'S PRINTER FOR CANADA  
OTTAWA, 1969

Cat. No. M23-108/1968-5

**HYDRO**

HYDRO

| No. | Development | River | Owner | Year Installed |             | Rated Head ft. | No. of Units | Turbines          |                    | Generators        |                    |
|-----|-------------|-------|-------|----------------|-------------|----------------|--------------|-------------------|--------------------|-------------------|--------------------|
|     |             |       |       | First Unit     | Latest Unit |                |              | Unit Capacity hp. | Total Capacity hp. | Unit Capacity kw. | Total Capacity kw. |
|     |             |       |       |                |             |                |              |                   |                    |                   |                    |

*British Columbia*

|    |                    |                               |       |      |      |            |             |                               |           |                            |         |
|----|--------------------|-------------------------------|-------|------|------|------------|-------------|-------------------------------|-----------|----------------------------|---------|
| 1  | Kemano             | Nechako to Kemano             | ALCAN | 1954 | 1967 | 2,500      | 4           | 150,000<br>150,000            | 1,200,000 | 97,600<br>105,600          | 812,800 |
| 2  | Gordon M. Shrum    | Peace                         | BCHPA | 1968 | 1968 |            | 3           | 310,000                       | 930,000   | 227,000                    | 681,000 |
| 3  | Waneta             | Pend d'Oreille                | CMSC  | 1954 | 1966 | 210        | 1<br>2<br>1 | 130,000<br>120,000<br>130,000 | 500,000   | 72,000<br>72,000<br>76,500 | 292,500 |
| 4  | Bridge River No. 2 | Bridge River                  | BCHPA | 1959 | 1960 | 1,264      | 4           | 82,000                        | 328,000   | 62,000                     | 248,000 |
| 5  | Bridge River No. 1 | Bridge River                  | BCHPA | 1948 | 1954 | 1,261      | 4           | 69,000                        | 276,000   | 45,000                     | 180,000 |
| 6  | Cheakamus          | Cheakamus                     | BCHPA | 1957 | 1957 | 954        | 2           | 95,000                        | 190,000   | 70,000                     | 140,000 |
| 7  | John Hart          | Campbell                      | BCHPA | 1947 | 1953 | 390        | 6           | 28,000                        | 168,000   | 20,000                     | 120,000 |
| 8  | Brilliant          | Kootenay                      | CMSC  | 1944 | 1968 | 90         | 3<br>1      | 37,000<br>40,000              | 151,000   | 27,200<br>27,200           | 108,800 |
| 9  | Ruskin             | Stave                         | BCHPA | 1930 | 1950 | 123        | 3           | 47,000                        | 141,000   | 35,200                     | 105,600 |
| 10 | Strathcona         | Campbell                      | BCHPA | 1958 | 1968 | 140        | 2           | 42,000                        | 84,000    | 33,750                     | 67,500  |
| 11 | Wahleach           | Wahleach Lake to Fraser       | BCHPA | 1952 | -    | 1,880      | 1           | 82,000                        | 82,000    | 60,000                     | 60,000  |
| 12 | Upper Bonnington   | Kootenay                      | CMSC  | 1907 | 1940 | 70         | 2<br>2<br>2 | 8,000<br>9,000<br>26,000      | 86,000    | 5,062<br>6,750<br>15,750   | 55,124  |
| 13 | Ladore Falls       | Campbell                      | BCHPA | 1956 | 1957 | 122        | 2           | 35,000                        | 70,000    | 27,000                     | 54,000  |
| 14 | Stave Falls        | Stave                         | BCHPA | 1912 | 1925 | 110<br>113 | 4<br>1      | 13,000<br>15,000              | 67,000    | 10,500<br>10,500           | 52,500  |
| 15 | Lake Buntzen No. 1 | Lake Buntzen to Burrard Inlet | BCHPA | 1951 | -    | 380        | 1           | 70,000                        | 70,000    | 50,000                     | 50,000  |
| 16 | South Slocan       | Kootenay                      | CMSC  | 1928 | 1929 | 70         | 3           | 25,000                        | 75,000    | 15,750                     | 47,250  |
| 17 | Lower Bonnington   | Kootenay                      | WKPL  | 1925 | 1926 | 70         | 3           | 20,000                        | 60,000    | 15,750                     | 47,250  |
| 18 | Seton              | Seton Creek                   | BCHPA | 1956 | -    | 147        | 1           | 58,500                        | 58,500    | 42,000                     | 42,000  |
| 19 | Corra Linn         | Kootenay                      | CMSC  | 1932 | 1932 | 53         | 3           | 19,000                        | 57,000    | 13,500                     | 40,500  |
| 20 | Whatshan           | Whatshan                      | BCHPA | 1951 | 1956 | 690        | 3           | 16,500                        | 49,500    | 11,250                     | 33,750  |

HYDRO

| No. | Development | River | Owner | Year Installed |             | Rated Head ft. | No. of Units | Turbines          |                    | Generators        |                    |
|-----|-------------|-------|-------|----------------|-------------|----------------|--------------|-------------------|--------------------|-------------------|--------------------|
|     |             |       |       | First Unit     | Latest Unit |                |              | Unit Capacity hp. | Total Capacity hp. | Unit Capacity kw. | Total Capacity kw. |

BRITISH COLUMBIA (Cont'd)

|    |                    |                               |       |      |      |       |   |        |        |        |        |
|----|--------------------|-------------------------------|-------|------|------|-------|---|--------|--------|--------|--------|
| 21 | Stillwater         | Lois                          | MBPR  | 1930 | 1948 | -     | 2 | 25,000 | 50,000 | 16,200 | 32,400 |
| 22 | Clowhom Falls      | Clowhom                       | BCHPA | 1958 | -    | 145   | 1 | 40,000 | 40,000 | 30,000 | 30,000 |
| 23 | Puntledge          | Puntledge                     | BCHPA | 1955 | -    | 340   | 1 | 35,000 | 35,000 | 27,000 | 27,000 |
| 24 | Lake Buntzen No. 2 | Lake Buntzen to Burrard Inlet | BCHPA | 1913 | 1919 | 380   | 3 | 13,500 | 40,500 | 8,900  | 26,700 |
| 25 | Jordan River       | Jordan                        | BCHPA | 1911 | 1931 | 1,010 | 2 | 5,430  |        | 3,200  |        |
|    |                    |                               |       |      |      |       | 1 | 10,125 |        | 8,000  |        |
|    |                    |                               |       |      |      |       | 1 | 18,000 | 38,985 | 12,000 | 26,400 |
| 26 | Ash River          | Ash                           | BCHPA | 1959 | -    | 735   | 1 | 35,000 | 35,000 | 25,200 | 25,200 |
| 27 | La Joie            | Bridge                        | BCHPA | 1957 | -    | 176   | 1 | 30,000 | 30,000 | 22,000 | 22,000 |
| 28 | Powell River       | Powell                        | MBPR  | 1911 | 1926 | 157   | 1 | 13,500 |        | 12,000 |        |
|    |                    |                               |       |      |      | 147   | 1 | 3,600  |        | 3,750  |        |
|    |                    |                               |       |      |      |       | 2 | 3,000  | 23,100 | 2,800  | 21,350 |
| 29 | Ocean Falls        | Link                          | CZC   | 1917 | 1932 | 143   | 2 | 2,100  |        | 1,900  |        |
|    |                    |                               |       |      |      |       | 2 | 6,300  | 16,800 | 4,200  | 12,200 |
| 30 | Elko               | Elk                           | BCHPA | 1923 | 1924 | 190   | 2 | 7,500  | 15,000 | 6,000  | 12,000 |
| 31 | Falls River        | Big Falls Creek               | BCHPA | 1930 | 1960 | 248   | 2 | 6,000  | 12,000 | 4,800  | 9,600  |
| 32 | Nelson             | Kootenay                      | CN    | 1907 | 1950 | 60    | 1 | 1,670  |        | 750    |        |
|    |                    |                               |       |      |      | 60    | 1 | 1,900  |        | 1,000  |        |
|    |                    |                               |       |      |      | 70    | 1 | 3,000  |        | 2,120  |        |
|    |                    |                               |       |      |      | 70    | 1 | 6,750  | 13,320 | 4,800  | 8,670  |
| 33 | Alouette           | Alouette Lake to Stave Lake   | BCHPA | 1928 | -    | 125.5 | 1 | 12,500 | 12,500 | 8,000  | 8,000  |
| 34 | Walter Hardman     | Cranberry Creek               | COR   | 1960 | 1965 | 770   | 2 | 5,800  | 11,600 | 4,000  | 8,000  |
| 35 | Shuswap Falls      | Shuswap                       | BCHPA | 1929 | 1942 | 72    | 1 | 3,800  |        | 2,400  |        |
|    |                    |                               |       |      |      | 82    | 1 | 4,000  | 7,800  | 2,800  | 5,200  |
| 36 | Aberfeldie         | Bull                          | BCHPA | 1922 | 1922 | 275   | 2 | 3,650  | 7,300  | 2,500  | 5,000  |
| 37 | Beach              | Britannia Creek Furry Creek   | ACL   | 1916 | 1917 | 1,835 | 1 | 3,750  |        | 2,000  |        |
|    |                    |                               |       |      |      | 760   | 1 | 3,750  | 7,500  | 2,000  | 4,000  |
| 38 | Spillimacheen      | Spillimacheen                 | BCHPA | 1955 | 1955 | 207   | 2 | 1,200  |        | 900    |        |
|    |                    |                               |       |      |      |       | 1 | 3,000  | 5,400  | 2,200  | 4,000  |
| 39 | Tennent Creek      | Tennent Creek                 | WM    | 1966 | -    | 2,050 | 1 | 4,500  | 4,500  | 3,060  | 3,060  |
| 40 | Woodfibre          | Woodfibre Creek               | RC    | 1947 | -    | 920   | 1 | 3,650  | 3,650  | 2,250  | 2,250  |

HYDRO

| No. | Development | River | Owner | Year<br>Installed |                | Rated<br>Head<br>ft. | No.<br>of<br>Units | Turbines                |                          | Generators              |                          |
|-----|-------------|-------|-------|-------------------|----------------|----------------------|--------------------|-------------------------|--------------------------|-------------------------|--------------------------|
|     |             |       |       | First<br>Unit     | Latest<br>Unit |                      |                    | Unit<br>Capacity<br>hp. | Total<br>Capacity<br>hp. | Unit<br>Capacity<br>kw. | Total<br>Capacity<br>kw. |

**BRITISH COLUMBIA (Cont'd)**

|                                                                       |            |                                  |    |      |   |     |   |           |       |       |           |
|-----------------------------------------------------------------------|------------|----------------------------------|----|------|---|-----|---|-----------|-------|-------|-----------|
| 41                                                                    | Port Alice | Victoria Lake to Neroutsos Inlet | RC | 1953 | - | 425 | 1 | 3,200     | 3,200 | 2,000 | 2,000     |
| Total capacity of plants under 1,500 kw.                              |            |                                  |    |      |   |     |   | 7,250     |       |       | 4,686     |
| Total capacity of turbines connected directly to mechanical equipment |            |                                  |    |      |   |     |   | 46,210    |       |       |           |
| Total (all plants)                                                    |            |                                  |    |      |   |     |   | 5,109,615 |       |       | 3,538,290 |

## *Yukon Territory*

|                                                                       |                   |       |      |      |      |     |   |       |        |       |        |
|-----------------------------------------------------------------------|-------------------|-------|------|------|------|-----|---|-------|--------|-------|--------|
| 1                                                                     | Whitehorse Rapids | Yukon | NCPC | 1958 | 1958 | 61  | 2 | 7,500 | 15,000 | 5,695 | 11,390 |
| 2                                                                     | Mayo River        | Mayo  | NCPC | 1952 | 1957 | 110 | 2 | 3,000 | 6,000  | 2,550 | 5,100  |
| Total capacity of plants under 1,500 kw.                              |                   |       |      |      |      |     |   |       | 2,140  |       | 1,650  |
| Total capacity of turbines connected directly to mechanical equipment |                   |       |      |      |      |     |   |       |        |       |        |
| Total (all plants)                                                    |                   |       |      |      |      |     |   |       | 23,140 |       | 18,140 |

## *Northwest Territories*

|   |              |             |      |      |   |     |   |        |        |        |        |
|---|--------------|-------------|------|------|---|-----|---|--------|--------|--------|--------|
| 1 | Twin Gorges  | Talton      | NCPC | 1965 | - | -   | 1 | 25,000 | 25,000 | 18,000 | 18,000 |
| 2 | Snare Falls  | Snare       | NCPC | 1960 | - | 63  | 1 | 9,200  | 9,200  | 7,000  | 7,000  |
| 3 | Snare Rapids | Snare       | NCPC | 1948 | - | 56  | 1 | 8,350  | 8,350  | 7,000  | 7,000  |
| 4 | Bluefish     | Yellowknife | CMSC | 1941 | - | 110 | 1 | 4,700  | 4,700  | 3,360  | 3,360  |

**THERMAL**

# THERMAL

| No. | Station | Location | Owner | Year Installed |             | Fuel | Type of Prime Mover | Generators |                   |                    |
|-----|---------|----------|-------|----------------|-------------|------|---------------------|------------|-------------------|--------------------|
|     |         |          |       | First Unit     | Latest Unit |      |                     | No.        | Unit Capacity kw. | Total Capacity kw. |

## *British Columbia*

|    |                 |                 |       |      |      |                 |    |   |         |         |
|----|-----------------|-----------------|-------|------|------|-----------------|----|---|---------|---------|
| 1  | Burrard         | Vancouver       | BCHPA | 1962 | 1967 | Gas, oil        | S  | 5 | 162,000 | 810,000 |
| 2  | Port Mann       | New Westminster | BCHPA | 1959 | 1959 | Oil             | GT | 4 | 25,000  | 100,000 |
| 3  | Georgia         | Chemainus       | BCHPA | 1958 | 1959 | Oil             | GT | 2 | 19,750  |         |
|    |                 |                 |       |      |      |                 |    | 2 | 18,000  | 75,500  |
| 4  | Powell River    | Powell River    | MBPR  | 1948 | 1967 | Wood-waste, oil | S  | 1 | 1,350   |         |
|    |                 |                 |       |      |      |                 |    | 1 | 1,200   |         |
|    |                 |                 |       |      |      |                 |    | 1 | 10,500  |         |
|    |                 |                 |       |      |      |                 |    | 1 | 1,875   |         |
|    |                 |                 |       |      |      |                 |    | 1 | 36,000  | 50,925  |
| 5  | Watson Island   | Watson Island   | CCC   | 1950 | 1966 | Oil, wood-waste | S  | 2 | 7,500   |         |
|    |                 |                 |       |      |      |                 |    | 1 | 34,600  | 49,600  |
| 6  | Harmac          | Nanaimo         | MBPR  | 1954 | 1963 | Oil, wood-waste | S  | 1 | 31,500  |         |
|    |                 |                 |       |      |      |                 |    | 1 | 4,000   |         |
|    |                 |                 |       |      |      |                 |    | 1 | 1,250   | 36,750  |
| 7  | Tide Lake       | Tide Lake       | GOC   |      |      |                 |    | 2 | 15,000  | 30,000  |
| 8  | Somass Mill     | Port Alberni    | MBPR  | 1963 | -    | Wood-waste      | S  | 1 | 26,000  | 26,000  |
| 9  | Chetwynd        | Chetwynd        | BCHPA | 1958 | 1968 | Oil             | IC | 2 | 600     |         |
|    |                 |                 |       |      |      |                 |    | 1 | 800     |         |
|    |                 |                 |       |      |      |                 |    | 1 | 1,000   |         |
|    |                 |                 |       |      |      |                 |    | 4 | 3,000   |         |
|    |                 |                 |       |      |      |                 |    | 2 | 5,000   | 25,000  |
| 10 | Dawson Creek    | Dawson Creek    | BCHPA | 1953 | 1963 | Gas, oil        | IC | 2 | 1,000   |         |
|    |                 |                 |       |      |      |                 |    | 6 | 3,000   | 20,000  |
| 11 | Port Alice      | Port Alice      | RC    | 1942 | 1957 | Oil, wood-waste | S  | 1 | 3,200   |         |
|    |                 |                 |       |      |      |                 |    | 2 | 3,500   |         |
|    |                 |                 |       |      |      |                 |    | 1 | 6,000   | 16,200  |
| 12 | Prince George   | Prince George   | BCHPA | 1957 | 1963 | Oil             | IC | 5 | 3,000   | 15,000  |
| 13 | Ocean Falls     | Ocean Falls     | CZC   | 1930 | 1950 | Oil, wood-waste | S  | 1 | 3,000   |         |
|    |                 |                 |       |      |      |                 |    | 1 | 2,000   |         |
|    |                 |                 |       |      |      |                 |    | 1 | 4,000   |         |
|    |                 |                 |       |      |      |                 |    | 1 | 5,000   | 14,000  |
| 14 | New Westminster | New Westminster | CZB   | 1912 | 1950 | Wood-waste      | S  | 1 | 5,000   |         |
|    |                 |                 |       |      |      |                 |    | 1 | 1,500   |         |
|    |                 |                 |       |      |      |                 |    | 1 | 6,000   | 12,500  |
| 15 | Eburne Sawmills | Vancouver       | CFP   | 1960 | 1960 | Wood-waste      | S  | 2 | 5,750   | 11,500  |
| 16 | Dry Dock        | Prince Rupert   | BCHPA | 1950 | 1967 | Oil             | IC | 3 | 799     |         |
|    |                 |                 |       |      |      |                 |    | 1 | 1,970   |         |
|    |                 |                 |       |      |      |                 |    | 1 | 2,034   |         |
|    |                 |                 |       |      |      |                 |    | 1 | 5,000   | 11,401  |
| 17 | Mica Creek      | Mica            | BCHPA | 1965 | 1965 | Oil             | IC | 1 | 675     |         |
|    |                 |                 |       |      |      |                 |    | 2 | 1,000   |         |
|    |                 |                 |       |      |      |                 |    | 1 | 2,500   |         |
|    |                 |                 |       |      |      |                 |    | 2 | 3,000   | 11,175  |

GT - Gas Turbine, IC - Internal Combustion, S - Steam

# THERMAL

| No.                              | Station              | Location       | Owner | Year Installed |             | Fuel                  | Type of Prime Mover | Generators |                   |                    |
|----------------------------------|----------------------|----------------|-------|----------------|-------------|-----------------------|---------------------|------------|-------------------|--------------------|
|                                  |                      |                |       | First Unit     | Latest Unit |                       |                     | No.        | Unit Capacity kw. | Total Capacity kw. |
| <b>BRITISH COLUMBIA (Cont'd)</b> |                      |                |       |                |             |                       |                     |            |                   |                    |
| 18                               | Tasu                 | Tasu           | WFM   | 1967           | 1967        |                       | IC                  | 5          | 2,210             | 11,050             |
| 19                               | Youbou               | Youbou         | BCFP  | 1929           | 1967        | Wood-waste            | S                   | 1          | 800               |                    |
|                                  |                      |                |       |                |             |                       |                     | 2          | 750               |                    |
|                                  |                      |                |       |                |             |                       |                     | 1          | 2,000             |                    |
|                                  |                      |                |       |                |             |                       |                     | 1          | 5,000             | 9,300              |
| 20                               | Tahsis               | Tahsis         | TCL   | 1956           | 1960        | Coal                  | S                   | 1          | 5,000             |                    |
|                                  |                      |                |       |                |             |                       |                     | 1          | 3,000             |                    |
| 21                               | McMahon              | Taylor         | PP    | 1957           | 1957        | Gas                   | S                   | 3          | 2,500             | 7,500              |
| 22                               | Golden               | Golden         | KHFP  | 1966           | -           | Coal                  | S                   | 1          | 7,500             | 7,500              |
| 23                               | Kelowna              | Kelowna        | SMS   | 1950           | 1963        | Wood-waste, oil, coal | S                   | 1          | 750               |                    |
|                                  |                      |                |       |                |             |                       |                     | 1          | 2,000             |                    |
|                                  |                      |                |       |                |             |                       |                     | 1          | 3,500             |                    |
|                                  |                      |                |       |                |             |                       |                     | 1          | 1,000             | 7,250              |
| 24                               | Woodfibre            | Woodfibre      | RC    | 1948           | 1961        | Oil, wood-waste       | S                   | 2          | 2,000             |                    |
|                                  |                      |                |       |                |             |                       |                     | 1          | 3,000             |                    |
| 25                               | Smithers             | Smithers       | BCHPA | 1951           | 1965        | Oil                   | IC                  | 2          | 560               |                    |
|                                  |                      |                |       |                |             |                       |                     | 1          | 760               |                    |
|                                  |                      |                |       |                |             |                       |                     | 2          | 1,000             |                    |
|                                  |                      |                |       |                |             |                       |                     | 1          | 3,000             | 6,880              |
| 26                               | Port Moody           | Port Moody     | WCL   | 1958           | 1965        | Coal                  | S                   | 1          | 3,500             |                    |
|                                  |                      |                |       |                |             |                       |                     | 1          | 3,000             |                    |
| 27                               | Kitimat              | Kitimat        | ALCAN | 1954           | 1955        | Oil                   | IC                  | 5          | 1,000             | 5,000              |
| 28                               | Port Mellon          | Port Mellon    | CFP   | 1928           | 1947        | Oil                   | S                   | 1          | 500               |                    |
|                                  |                      |                |       |                |             |                       |                     | 1          | 1,500             |                    |
|                                  |                      |                |       |                |             |                       |                     | 1          | 3,000             | 5,000              |
| 29                               | Cassiar              | Cassiar        | CAC   | 1952           | 1966        | Oil                   | IC                  | 3          | 300               |                    |
|                                  |                      |                |       |                |             |                       |                     | 2          | 350               |                    |
|                                  |                      |                |       |                |             |                       |                     | 1          | 450               |                    |
|                                  |                      |                |       |                |             |                       |                     | 1          | 650               |                    |
|                                  |                      |                |       |                |             |                       |                     | 1          | 900               |                    |
|                                  |                      |                |       |                |             |                       |                     | 1          | 1,200             | 4,800              |
| 30                               | Vancouver            | Vancouver      | MBPR  | 1949           | 1956        | Wood-waste            | S                   | 1          | 750               |                    |
|                                  |                      |                |       |                |             |                       |                     | 1          | 4,000             |                    |
| 31                               | Kimberley (Stand-by) | Kimberley      | CMSC  | 1927           | 1928        | Coal                  | S                   | 3          | 1,500             | 4,500              |
| 32                               | Victoria             | Victoria       | BCFP  | 1940           | 1950        | Wood-waste            | S                   | 1          | 3,000             |                    |
|                                  |                      |                |       |                |             |                       |                     | 1          | 1,500             |                    |
| 33                               | Giscome              | Giscome        | ELS   | 1951           | 1956        | Wood-waste oil        | S                   | 1          | 1,500             |                    |
|                                  |                      |                |       |                |             |                       |                     | 1          | 2,400             |                    |
|                                  |                      |                |       |                |             |                       |                     | 1          | 300               | 4,200              |
| 34                               | Burns Lake           | Burns Lake     | BCHPA | 1954           | 1965        | Oil                   | IC                  | 1          | 800               |                    |
|                                  |                      |                |       |                |             |                       |                     | 4          | 250               |                    |
|                                  |                      |                |       |                |             |                       |                     | 2          | 1,136             | 4,072              |
| 35                               | Elk Falls            | Campbell River | EFC   | 1964           | 1965        | Wood-waste            | S                   | 1          | 3,255             |                    |
|                                  |                      |                |       |                |             |                       |                     | 1          | 800               | 4,055              |

IC - Internal Combustion, S - Steam

# THERMAL

| No.                               | Station          | Location                | Owner | Year Installed |             | Fuel       | Type of Prime Mover | Generators |                   |                    |
|-----------------------------------|------------------|-------------------------|-------|----------------|-------------|------------|---------------------|------------|-------------------|--------------------|
|                                   |                  |                         |       | First Unit     | Latest Unit |            |                     | No.        | Unit Capacity kw. | Total Capacity kw. |
| <b>BRITISH COLUMBIA (Cont'd )</b> |                  |                         |       |                |             |            |                     |            |                   |                    |
| 36                                | Hammond          | Hammond                 | BCFP  | 1928           | 1929        | Wood-waste | S                   | 2          | 2,000             | 4,000              |
| 37                                | Chemainus        | Chemainus               | MBPR  | 1925           | 1950        | Wood-waste | S                   | 1          | 3,000             |                    |
|                                   |                  |                         |       |                |             |            |                     | 1          | 750               | 3,750              |
| 38                                | Vancouver        | Vancouver               | BCSRC | 1947           | 1960        | Gas, oil   | S                   | 3          | 1,250             | 3,750              |
| 39                                | Jedway           | Jedway                  | JIOC  | -              | -           | Oil        | IC                  | 3          | 1,000             |                    |
|                                   |                  |                         |       |                |             |            |                     | 1          | 225               | 3,225              |
| 40                                | Fort Nelson      | Fort Nelson             | BCHPA | 1960           | 1960        | Oil, gas   | IC                  | 1          | 1,200             |                    |
|                                   |                  |                         |       |                |             |            |                     | 1          | 600               |                    |
|                                   |                  |                         |       |                |             |            |                     | 1          | 261               |                    |
|                                   |                  |                         |       |                |             |            |                     | 1          | 100               |                    |
|                                   |                  |                         |       |                |             |            |                     | 1          | 1,000             | 3,161              |
| 41                                | Golden           | Golden                  | BCHPA | 1968           | 1968        | Oil        | IC                  | 2          | 1,500             | 3,000              |
| 42                                | Honeymoon Bay    | Honeymoon Bay           | WFI   | 1949           | 1961        | Oil        | S                   | 1          | 1,000             |                    |
|                                   |                  |                         |       |                |             |            |                     | 1          | 1,760             | 2,760              |
| 43                                | Port Hardy       | Port Hardy              | BCHPA | 1959           | 1965        | Oil        | IC                  | 1          | 600               |                    |
|                                   |                  |                         |       |                |             |            |                     | 1          | 500               |                    |
|                                   |                  |                         |       |                |             |            |                     | 2          | 300               |                    |
|                                   |                  |                         |       |                |             |            |                     | 1          | 1,000             | 2,700              |
| 44                                | Celgar Pulp Mill | Celgar Pulp Mill        | CCC   | 1963           | -           |            | S                   | 1          | 2,500             | 2,500              |
| 45                                | Mesachie Lake    | Mesachie Lake           | HLC   | 1943           | 1949        | Wood-waste | S                   | 1          | 1,600             |                    |
|                                   |                  |                         |       |                |             |            |                     | 1          | 750               | 2,350              |
| 46                                | Tide Camp        | Stewart                 | GM    | 1965           | 1967        | Oil        | IC                  | 3          | 500               |                    |
|                                   |                  |                         |       |                |             |            |                     | 2          | 400               | 2,300              |
| 47                                | Endako           | Endako                  | EM    | 1964           | 1964        | Oil        | IC                  | 1          | 1,250             |                    |
|                                   |                  |                         |       |                |             |            |                     | 1          | 1,000             | 2,250              |
| 48                                | Hazelton         | Hazelton                | BCHPA | 1965           | 1965        | Oil        | IC                  | 3          | 200               |                    |
|                                   |                  |                         |       |                |             |            |                     | 2          | 600               |                    |
|                                   |                  |                         |       |                |             |            |                     | 1          | 250               | 2,050              |
| 49                                | Revelstoke       | Revelstoke              | COR   | 1926           | 1954        | Oil        | IC                  | 2          | 300               |                    |
|                                   |                  |                         |       |                |             |            |                     | 1          | 400               |                    |
|                                   |                  |                         |       |                |             |            |                     | 1          | 1,000             | 2,000              |
| 50                                | Hazelton         | Hazelton                | HSL   | 1963           | 1965        | Oil        | IC                  | 1          | 1,500             |                    |
|                                   |                  |                         |       |                |             |            |                     | 1          | 350               | 1,850              |
| 51                                | McBride          | McBride                 | BCHPA | 1951           | 1957        | Oil, gas   | IC                  | 3          | 600               | 1,800              |
| 52                                | Sandspit         | Queen Charlotte Islands | BCHPA | 1962           | 1966        | Oil        | IC                  | 2          | 600               |                    |
|                                   |                  |                         |       |                |             |            |                     | 1          | 500               | 1,700              |
| 53                                | Zeballos Mines   | Zeballos Mines          | ZIM   | 1962           | 1964        | Oil        | IC                  | 2          | 300               |                    |
|                                   |                  |                         |       |                |             |            |                     | 1          | 1,000             | 1,600              |
| 54                                | Bella Coola      | Bella Coola             | BCHPA | 1955           | 1968        | Oil        | IC                  | 1          | 96                |                    |
|                                   |                  |                         |       |                |             |            |                     | 2          | 100               |                    |
|                                   |                  |                         |       |                |             |            |                     | 1          | 150               |                    |
|                                   |                  |                         |       |                |             |            |                     | 1          | 261               |                    |
|                                   |                  |                         |       |                |             |            |                     | 1          | 350               |                    |
|                                   |                  |                         |       |                |             |            |                     | 1          | 500               | 1,557              |
| 55                                | Valemount        | Valemount               | BCHPA | 1962           | 1966        | Oil        | IC                  | 3          | 350               |                    |
|                                   |                  |                         |       |                |             |            |                     | 1          | 500               | 1,550              |

IC - Internal Combustion, S - Steam

## THERMAL

| No. | Station | Location | Owner | Year<br>Installed |                | Fuel | Type<br>of<br>Prime<br>Mover | Generators |                         |                          |
|-----|---------|----------|-------|-------------------|----------------|------|------------------------------|------------|-------------------------|--------------------------|
|     |         |          |       | First<br>Unit     | Latest<br>Unit |      |                              | No.        | Unit<br>Capacity<br>kw. | Total<br>Capacity<br>kw. |

### BRITISH COLUMBIA (Cont'd)

|                                                                |               |               |    |      |   |  |  |   |       |       |
|----------------------------------------------------------------|---------------|---------------|----|------|---|--|--|---|-------|-------|
| 56                                                             | Prince George | Prince George | NP | 1967 | - |  |  | 1 | 1,500 | 1,500 |
| Total capacity of plants 1,500 kw. and over (not listed above) |               |               |    |      |   |  |  |   |       |       |
| Total capacity of plants under 1,500 kw.                       |               |               |    |      |   |  |  |   |       |       |
| Total (all plants) 1,521,411                                   |               |               |    |      |   |  |  |   |       |       |

### Northwest Territories

|                                                                |               |               |      |      |      |     |    |                  |                            |       |
|----------------------------------------------------------------|---------------|---------------|------|------|------|-----|----|------------------|----------------------------|-------|
| 1                                                              | Inuvik        | Inuvik        | NCPC | 1957 | 1967 | Oil | IC | 2<br>1<br>1<br>2 | 375<br>150<br>960<br>1,000 |       |
| 2                                                              | Frobisher Bay | Frobisher Bay | NCPC | 1963 | 1966 | Oil | IC | 1<br>1<br>1      | 600<br>1,000<br>960<br>500 | 4,460 |
| 3                                                              | Port Radium   | Port Radium   | EM   | 1936 | 1953 | Oil | GT | 1                | 1,500                      | 3,960 |
| 4                                                              | Hay River     | Hay River     | NU   | 1959 | 1967 | Oil | IC | 2<br>1<br>3      | 350<br>650<br>500          | 3,639 |
| 5                                                              | Fort Smith    | Fort Smith    | NCPC | 1956 | 1962 | Oil | IC | 1<br>1<br>1<br>1 | 280<br>600<br>392<br>960   | 2,232 |
| 6                                                              | Tungsten      | Tungsten      | CTMC | 1962 | 1962 | Oil | IC | 3                | 500                        | 1,500 |
| Total capacity of plants 1,500 kw. and over (not listed above) |               |               |      |      |      |     |    |                  |                            |       |
| Total capacity of plants under 1,500 kw.                       |               |               |      |      |      |     |    |                  |                            |       |
| Total (all plants) 31,241                                      |               |               |      |      |      |     |    |                  |                            |       |

### Yukon Territory

|                                             |            |            |      |      |      |     |    |        |                |       |
|---------------------------------------------|------------|------------|------|------|------|-----|----|--------|----------------|-------|
| 1                                           | Whitehorse | Whitehorse | NCPC | 1968 | 1968 | Oil | IC | 1<br>1 | 5,150<br>3,920 | 9,070 |
| 2                                           | Whitehorse | Whitehorse | YEC  | -    | 1968 |     |    |        |                | 1,800 |
| Total capacity of plants 1,500 kw. and over |            |            |      |      |      |     |    |        |                |       |
| Total capacity of plants under 1,500 kw.    |            |            |      |      |      |     |    |        |                |       |
| Total (all plants) 16,710                   |            |            |      |      |      |     |    |        |                |       |

IC - Internal Combustion, S - Steam



## **OWNER CODE INDEX**

| CODE       | OWNER                                                                      |
|------------|----------------------------------------------------------------------------|
| ACL.....   | Anaconda Company (Canada) Limited                                          |
| ALCAN..... | Aluminum Company of Canada Limited                                         |
| BCFP.....  | British Columbia Forest Products Limited                                   |
| BCHPA..... | British Columbia Hydro and Power Authority                                 |
| BCSRC..... | British Columbia Sugar Refining Company Limited                            |
| CAC.....   | Cassiar Asbestos Corporation Limited                                       |
| CCC.....   | Columbia Cellulose Company Limited                                         |
| CFP.....   | Canadian Forest Products Limited                                           |
| CMSC.....  | Cominco Limited                                                            |
| CN.....    | City of Nelson                                                             |
| COR.....   | City of Revelstoke                                                         |
| CTMC.....  | Canada Tungsten Mining Corporation Limited                                 |
| CZB.....   | Crown Zellerbach Building Materials Limited                                |
| CZC.....   | Crown Zellerbach Canada Limited                                            |
| EFC.....   | Elk Falls Company Limited                                                  |
| ELS.....   | Eagle Lake Sawmills Company Limited                                        |
| EM.....    | Endako Mines Limited                                                       |
| EMR.....   | Eldorado Mining and Refining Limited                                       |
| GM.....    | Granduc Mines Limited                                                      |
| HLC.....   | Hillcrest Lumber Company Limited                                           |
| HSL.....   | Hazelton Sawmills Limited                                                  |
| JIOC.....  | Jedway Iron Ore Company Limited                                            |
| KHFP.....  | Kicking Horse Forest Products Limited                                      |
| MBPR.....  | MacMillan Bloedel and Powell River Limited                                 |
| NCPC.....  | Northern Canada Power Commission                                           |
| NP.....    | Northwood Pulp Company                                                     |
| PP.....    | Pacific Petroleum Company Limited<br>(now West Coast Transmission Company) |
| RC.....    | Rayonier Canada (BC) Limited                                               |
| SMS.....   | S. M. Simpson Limited                                                      |
| TCL.....   | Tahsis Company Limited                                                     |
| WCL.....   | Weldwood of Canada Limited                                                 |
| WFI.....   | Western Forest Industries Limited                                          |
| WFM.....   | Wesfrob Mines Limited                                                      |
| WKPL.....  | West Kootenay Power and Light Company Limited                              |
| WM.....    | Western Mines Limited                                                      |
| YEC.....   | Yukon Electrical Company Limited                                           |
| ZIM.....   | Zeballos Iron Mines Limited                                                |





NORTHWEST





Inland Waters Branch

DEPARTMENT OF ENERGY, MINES AND RESOURCES  
OTTAWA, CANADA

Commenced in 1967 and completed in 1968, the 11,200-kilowatt Lequille hydro-electric station, housed in a replica of an old French grist mill, is the Centennial project of Nova Scotia Light and Power Company.

The station stands on a site close to what is believed to be the exact location of America's first grist mill, built near Port Royal by the French baron and mill-owner, Poutrincourt, in 1607. Poutrincourt's mill has been described as the first engineering achievement in the new world. Close by, Canada's first wheat was planted and harvested.

The mill which houses the hydro plant is not an exact replica of Poutrincourt's mill, as the records left by Champlain and Lescarbot, contemporaries of Poutrincourt, fail to disclose any of the structural details. The present building is, however, an authentic replica of a typical French grist mill of the period 1550 to 1750, the "Baroque" period, in Europe. It is roofed with hand-split cedar shingles similar to those used in the early 1600's. The sides are faced with old brick of a type made in the Annapolis area in the same period.

The Lequille River, known variously throughout its chequered history as the Dauphin River, Mill River, Allain's or Allen's River, supplies water through 1,530 feet of 7' diameter penstock to drive the station's 15,000-horsepower turbine.

The few horsepower extracted by Poutrincourt's mill from the Lequille River in the early seventeenth century was used to grind grain for the small settlement of Port Royal; three hundred and sixty years later, Nova Scotia Light and Power Company's "mill" on North America's oldest working river feeds electrical energy to a transmission grid which supplies power to a flour mill on the Halifax waterfront.

CAI MT 51  
S22

Canadian  
Publica  
69  
60  
-91  
-1

# electric power in canada



map supplement  
ontario





TRANSMISSION  
AND  
GENERATING FACILITIES

---

Ontario

INLAND WATERS BRANCH  
DEPARTMENT OF ENERGY, MINES AND RESOURCES

©  
QUEEN'S PRINTER FOR CANADA  
OTTAWA, 1969  
Cat. No. M23-108/1969-3

**HYDRO**

# HYDRO

| No.            | Development                                    | River         | Owner | Year Installed |             | Rated Head ft.           | No. of Units     | Turbines                             |                    | Generators                           |                    |           |         |
|----------------|------------------------------------------------|---------------|-------|----------------|-------------|--------------------------|------------------|--------------------------------------|--------------------|--------------------------------------|--------------------|-----------|---------|
|                |                                                |               |       | First Unit     | Latest Unit |                          |                  | Unit Capacity hp.                    | Total Capacity hp. | Unit Capacity kw.                    | Total Capacity kw. |           |         |
| <b>Ontario</b> |                                                |               |       |                |             |                          |                  |                                      |                    |                                      |                    |           |         |
| 1              | Sir Adam Beck-Niagara Generating Station No. 1 | Niagara       | HEPCO | 1922           | 1930        | 305<br>294<br>294<br>294 | 5<br>2<br>1<br>2 | 55,000<br>58,000<br>58,000<br>58,000 | 565,000            | 36,000<br>43,200<br>44,000<br>46,750 | 403,900            |           |         |
|                | Generating Station No. 2                       |               |       |                | 1954        | 1958                     | 292              | 16                                   | 105,000            | 1,680,000                            | 76,475             | 1,223,600 |         |
|                | Pumping-Generating Station                     |               |       |                |             | 1957                     | 1958             | 85                                   | 6                  | 46,000                               | 276,000            | 29,450    | 176,700 |
| 2              | Robert H. Saunders - St. Lawrence              | St. Lawrence  | HEPCO | 1958           | 1959        | 81                       | 16               | 75,000                               | 1,200,000          | 57,000                               | 912,000            |           |         |
| 3              | Des Joachims                                   | Ottawa        | HEPCO | 1950           | 1951        | 130                      | 8                | 62,000                               | 496,000            | 45,000                               | 360,000            |           |         |
| 4              | Abitibi Canyon                                 | Abitibi       | HEPCO | 1933           | 1959        | 237                      | 3<br>2           | 66,000<br>66,000                     | 330,000            | 41,225<br>43,200                     | 210,075            |           |         |
| 5              | Otto Holden                                    | Ottawa        | HEPCO | 1952           | 1953        | 77                       | 4<br>4           | 35,000<br>33,000                     | 272,000            | 25,650<br>25,650                     | 205,200            |           |         |
| 6              | Otter Rapids                                   | Abitibi       | HEPCO | 1961           | 1963        | 107                      | 4                | 60,000                               | 240,000            | 43,700                               | 174,800            |           |         |
| 7              | Barrett Chute                                  | Madawaska     | HEPCO | 1942           | 1942        | 150                      | 2<br>2           | 28,000<br>84,000                     | 224,000            | 20,400<br>55,800                     | 152,400            |           |         |
| 8              | Mountain Chute                                 | Madawaska     | HEPCO | 1967           | 1967        | 151                      | 2                | 112,000                              | 224,000            | 69,750                               | 139,500            |           |         |
| 9              | Harmon                                         | Mattagami     | HEPCO | 1965           | 1965        | 101                      | 2                | 94,000                               | 188,000            | 64,600                               | 129,200            |           |         |
| 10             | Pine Portage                                   | Nipigon       | HEPCO | 1950           | 1954        | 105                      | 2<br>2           | 41,000<br>45,000                     | 172,000            | 29,700<br>34,650                     | 128,700            |           |         |
| 11             | Kipling                                        | Mattagami     | HEPCO | 1966           | 1966        | 102                      | 2                | 94,000                               | 188,000            | 62,700                               | 125,400            |           |         |
| 12             | Chenaux                                        | Ottawa        | HEPCO | 1950           | 1951        | 40                       | 8                | 21,000                               | 168,000            | 15,300                               | 122,400            |           |         |
| 13             | Little Long                                    | Mattagami     | HEPCO | 1963           | 1963        | 90                       | 2                | 84,000                               | 168,000            | 60,800                               | 121,600            |           |         |
| 14             | DeCew Falls No. 2                              | Welland Canal | HEPCO | 1943           | 1947        | 280                      | 2                | 75,000                               | 150,000            | 57,600                               | 115,200            |           |         |
| 15             | Ontario Power                                  | Niagara       | HEPCO | 1905           | 1919        | -                        | 3<br>4<br>5      | 11,700<br>11,700<br>13,400           | 148,900            | 7,500<br>8,770<br>8,775              | 101,455            |           |         |
| 16             | Rankine                                        | Niagara       | CNPC  | 1904           | 1924        | 133                      | 5<br>2<br>3<br>1 | 10,000<br>12,500<br>10,750<br>12,000 | 119,250            | 7,500<br>9,375<br>9,375<br>10,300    | 94,675             |           |         |
| 17             | Toronto Power                                  | Niagara       | HEPCO | 1906           | 1915        | -                        | 7<br>4           | 15,000<br>13,000                     | 157,000            | 9,000<br>7,200                       | 91,800             |           |         |
| 18             | Chats Falls                                    | Ottawa        | HEPCO | 1931           | 1931        | 53                       | 4                | 28,000                               | 112,000            | 22,325                               | 89,300             |           |         |
| 19             | Caribou Falls                                  | English       | HEPCO | 1958           | 1958        | 58                       | 3                | 34,000                               | 102,000            | 25,650                               | 76,950             |           |         |

**HYDRO**

| No.                     | Development       | River                      | Owner | Year<br>Installed |                | Rated<br>Head<br>ft. | No.<br>of<br>Units | Turbines                |                          | Generators              |                          |
|-------------------------|-------------------|----------------------------|-------|-------------------|----------------|----------------------|--------------------|-------------------------|--------------------------|-------------------------|--------------------------|
|                         |                   |                            |       | First<br>Unit     | Latest<br>Unit |                      |                    | Unit<br>Capacity<br>hp. | Total<br>Capacity<br>hp. | Unit<br>Capacity<br>kw. | Total<br>Capacity<br>kw. |
| <b>ONTARIO (Cont'd)</b> |                   |                            |       |                   |                |                      |                    |                         |                          |                         |                          |
| 20                      | Cameron Falls     | Nipigon                    | HEPCO | 1920              | 1958           | 72                   | 2                  | 12,500                  |                          | 9,540                   |                          |
|                         |                   |                            |       |                   |                | 72                   | 4                  | 12,500                  |                          | 8,480                   |                          |
|                         |                   |                            |       |                   |                | 73                   | 1                  | 25,000                  | 100,000                  | 19,000                  | 72,000                   |
| 21                      | Manitou Falls     | English                    | HEPCO | 1956              | 1958           | 54                   | 5                  | 18,500                  | 92,500                   | 14,400                  | 72,000                   |
| 22                      | Alexander         | Nipigon                    | HEPCO | 1930              | 1958           | 60                   | 3                  | 18,000                  |                          | 12,750                  |                          |
|                         |                   |                            |       |                   |                | 58                   | 2                  | 19,000                  | 92,000                   | 13,500                  | 65,250                   |
| 23                      | Whitedog Falls    | Winnipeg                   | HEPCO | 1958              | 1958           | 50                   | 3                  | 27,000                  | 81,000                   | 21,600                  | 64,800                   |
| 24                      | Stewartville      | Madawaska                  | HEPCO | 1948              | 1948           | 148                  | 3                  | 28,000                  | 84,000                   | 20,400                  | 61,200                   |
| 25                      | Smoky Falls       | Mattagami                  | SFPPC | 1928              | 1931           | 113                  | 4                  | 18,750                  | 75,000                   | 13,200                  | 52,800                   |
| 26                      | Silver Falls      | Kaministikwia              | HEPCO | 1959              | -              | 330                  | 1                  | 60,000                  | 60,000                   | 45,000                  | 45,000                   |
| 27                      | Geo. W. Rayner    | Mississagi                 | HEPCO | 1950              | 1950           | 210                  | 2                  | 29,000                  | 58,000                   | 21,150                  | 42,300                   |
| 28                      | Upper Falls       | Montreal                   | GLPC  | 1937              | 1957           | 232                  | 2                  | 12,600                  |                          | 9,000                   |                          |
|                         |                   |                            |       |                   |                | 1                    |                    | 31,000                  | 56,200                   | 22,500                  | 40,500                   |
| 29                      | Aguasabon         | Aguasabon                  | HEPCO | 1948              | 1948           | 290                  | 2                  | 27,500                  | 55,000                   | 20,250                  | 40,500                   |
| 30                      | Red Rock Falls    | Mississagi                 | HEPCO | 1960              | 1961           | 93                   | 2                  | 26,500                  | 53,000                   | 20,250                  | 40,500                   |
| 31                      | Island Falls      | Abitibi                    | APPC  | 1924              | 1925           | 63                   | 4                  | 12,000                  | 48,000                   | 9,600                   | 38,400                   |
| 32                      | DeCew Falls No. 1 | Welland Canal              | HEPCO | 1901              | 1913           | -                    | 1                  | 6,000                   |                          | 4,800                   |                          |
|                         |                   |                            |       |                   |                | 1                    |                    | 6,000                   |                          | 5,000                   |                          |
|                         |                   |                            |       |                   |                | 2                    |                    | 6,000                   |                          | 5,300                   |                          |
|                         |                   |                            |       |                   |                | 1                    |                    | 6,000                   |                          | 5,600                   |                          |
|                         |                   |                            |       |                   |                | 1                    |                    | 6,000                   | 36,000                   | 5,900                   | 31,900                   |
| 33                      | Kakabeka Falls    | Kaministikwia              | HEPCO | 1906              | 1914           | 178                  | 3                  | 7,500                   |                          | 5,400                   |                          |
|                         |                   |                            |       |                   |                | 1                    |                    | 12,500                  | 35,000                   | 7,970                   | 24,170                   |
| 34                      | High Falls        | Michipicoten               | GLPC  | 1930              | 1950           | 147                  | 2                  | 11,000                  |                          | 6,750                   |                          |
|                         |                   |                            |       |                   |                | 1                    |                    | 13,200                  | 35,200                   | 9,675                   | 23,175                   |
| 35                      | Big Eddy          | Spanish                    | HCL   | 1929              | 1929           | 90                   | 3                  | 9,400                   | 28,200                   | 7,200                   | 21,600                   |
| 36                      | Sault Ste. Marie  | St. Mary                   | GLPC  | 1918              | 1931           | 18.5                 | 24                 | 900                     |                          | 650                     |                          |
|                         |                   |                            |       |                   |                | 3                    |                    | 2,400                   |                          | 1,440                   |                          |
|                         |                   |                            |       |                   |                | 1                    |                    | 2,200                   | 31,000                   | 1,600                   | 21,520                   |
| 37                      | Iroquois Falls    | Abitibi Lake & Black River | APPC  | 1949              | 1949           | 43                   | 1                  | 1,800                   |                          | 1,200                   |                          |
|                         |                   |                            |       |                   |                | 1                    |                    | 1,800                   |                          | 1,280                   |                          |
|                         |                   |                            |       |                   |                | 1                    |                    | 2,200                   |                          | 1,200                   |                          |
|                         |                   |                            |       |                   |                | 6                    |                    | 2,200                   |                          | 1,280                   |                          |
|                         |                   |                            |       |                   |                | 5                    |                    | 2,400                   | 31,000                   | 2,025                   | 21,485                   |
| 38                      | Twin Falls        | Abitibi                    | APPC  | 1921              | 1925           | 57.5                 | 5                  | 6,000                   | 30,000                   | 4,050                   | 20,250                   |
| 39                      | Gartshore         | Montreal                   | GLPC  | 1958              | -              | 112                  | 1                  | 30,300                  | 30,300                   | 20,000                  | 20,000                   |

HYDRO

| No.                     | Development           | River                     | Owner | Year<br>Installed |                | Rated<br>Head<br>ft. | No.<br>of<br>Units | Turbines                |                          | Generators              |                          |
|-------------------------|-----------------------|---------------------------|-------|-------------------|----------------|----------------------|--------------------|-------------------------|--------------------------|-------------------------|--------------------------|
|                         |                       |                           |       | First<br>Unit     | Latest<br>Unit |                      |                    | Unit<br>Capacity<br>hp. | Total<br>Capacity<br>hp. | Unit<br>Capacity<br>kw. | Total<br>Capacity<br>kw. |
| <b>ONTARIO (Cont'd)</b> |                       |                           |       |                   |                |                      |                    |                         |                          |                         |                          |
| 40                      | Hollingsworth Falls   | Michipicoten              | GLPC  | 1959              | -              | 108                  | 1                  | 30,300                  | 30,300                   | 20,000                  | 20,000                   |
| 41                      | Ear Falls             | English                   | HEPCO | 1930              | 1948           | 36                   | 1                  | 5,000                   |                          | 4,000                   |                          |
|                         |                       |                           |       |                   |                |                      | 1                  | 5,000                   |                          | 3,825                   |                          |
|                         |                       |                           |       |                   |                |                      | 2                  | 7,500                   | 25,000                   | 5,400                   | 18,625                   |
| 42                      | High Falls            | Spanish                   | HCL   | 1905              | 1966           | 85                   | 4                  | 4,000                   |                          | 3,000                   |                          |
|                         |                       |                           |       |                   |                |                      | 1                  | 7,500                   |                          | 5,550                   |                          |
|                         |                       |                           |       |                   |                |                      |                    |                         | 23,500                   |                         | 17,550                   |
| 43                      | Norman                | Winnipeg<br>(West Branch) | OMPP  | 1925              | 1925           | 22                   | 5                  | 3,400                   | 17,000                   | 3,300                   | 16,500                   |
| 44                      | Lower Falls           | Montreal                  | GLPC  | 1938              | 1942           | 185                  | 2                  | 10,900                  | 21,800                   | 8,100                   | 16,200                   |
| 45                      | Hogg                  | Montreal                  | GLPC  | 1965              | -              | 77                   | 1                  | 21,750                  | 21,750                   | 15,000                  | 15,000                   |
| 46                      | Espanola              | Spanish                   | KVPC  | 1906              | 1946           | 64                   | 4                  | 1,675                   |                          | 1,250                   |                          |
|                         |                       |                           |       |                   |                |                      | 1                  | 10,000                  |                          | 7,500                   |                          |
|                         |                       |                           |       |                   |                |                      | 1                  | 2,350                   | 19,050                   | 1,750                   | 14,250                   |
| 47                      | Scott Falls           | Michipicoten              | GLPC  | 1952              | 1952           | 70                   | 2                  | 10,000                  | 20,000                   | 6,800                   | 13,600                   |
| 48                      | Fort Frances          | Rainy                     | OMPP  | 1955              | 1955           | 28                   | 8                  | 2,000                   | 16,000                   | 1,600                   | 12,800                   |
| 49                      | Welland Canal         | Welland Canal             | STLSA | 1932              | 1932           | 160                  | 3                  | 5,000                   | 15,000                   | 4,000                   | 12,000                   |
| 50                      | Wawaitin              | Mattagami                 | HEPCO | 1912              | 1918           | 125                  | 2                  | 3,450                   |                          | 2,500                   |                          |
|                         |                       |                           |       |                   |                |                      | 2                  | 4,000                   | 14,900                   | 3,375                   | 11,750                   |
| 51                      | Kenora                | Winnipeg                  | OMPP  | 1923              | 1924           | 22                   | 4                  | 1,200                   |                          | 1,000                   |                          |
|                         |                       |                           |       |                   |                |                      | 6                  | 1,200                   | 12,000                   | 1,250                   | 11,500                   |
| 52                      | Heely Falls           | Trent                     | HEPCO | 1913              | 1919           | 73                   | 2                  | 5,600                   |                          | 3,750                   |                          |
|                         |                       |                           |       |                   |                |                      | 1                  | 5,600                   | 16,800                   | 3,000                   | 10,500                   |
| 53                      | McPhail Falls         | Michipicoten              | GLPC  | 1954              | 1954           | 48                   | 2                  | 7,500                   | 15,000                   | 5,000                   | 10,000                   |
| 54                      | Upper Notch           | Montreal                  | HEPCO | 1930              | 1930           | 48                   | 2                  | 6,500                   | 13,000                   | 4,800                   | 9,600                    |
| 55                      | Calm Lake             | Seine                     | OMPP  | 1928              | 1928           | 82                   | 2                  | 6,400                   | 12,800                   | 4,675                   | 9,350                    |
| 56                      | Sturgeon Falls        | Sturgeon                  | APPC  | 1902              | 1964           | 40.5                 | 1                  | 2,500                   |                          | 1,800                   |                          |
|                         |                       |                           |       |                   |                |                      | 1                  | 1,000                   |                          | 1,685                   |                          |
|                         |                       |                           |       |                   |                |                      | 1                  | 1,500                   |                          | 1,350                   |                          |
|                         |                       |                           |       |                   |                |                      | 1                  | 1,500                   |                          | 1,685                   |                          |
|                         |                       |                           |       |                   |                |                      | 1                  | 1,500                   |                          | 1,415                   |                          |
|                         |                       |                           |       |                   |                |                      | 1                  | 1,000                   | 9,000                    | 1,415                   | 9,350                    |
| 57                      | Eddy                  | Ottawa                    | EBEC  | 1909              | 1912           | 38                   | 2                  | 4,650                   |                          | 3,000                   |                          |
|                         |                       |                           |       |                   |                |                      | 1                  | 4,650                   | 13,950                   | 3,300                   | 9,300                    |
| 58                      | Crystal Falls         | Sturgeon                  | HEPCO | 1921              | 1921           | 33                   | 4                  | 2,600                   | 10,400                   | 2,020                   | 8,080                    |
| 59                      | Ranney Falls          | Trent                     | HEPCO | 1922              | 1926           | -                    | 1                  | 1,000                   |                          | 720                     |                          |
|                         |                       |                           |       |                   |                |                      | 2                  | 5,000                   | 11,000                   | 3,600                   | 7,920                    |
| 60                      | Chaudière Falls No. 4 | Ottawa                    | OHEC  | 1931              | 1931           | 38                   | 2                  | 5,400                   | 10,800                   | 3,960                   | 7,920                    |

# HYDRO

| No.                     | Development           | River         | Owner | Year Installed |             | Rated Head ft. | No. of Units | Turbines                |                    | Generators              |                    |
|-------------------------|-----------------------|---------------|-------|----------------|-------------|----------------|--------------|-------------------------|--------------------|-------------------------|--------------------|
|                         |                       |               |       | First Unit     | Latest Unit |                |              | Unit Capacity hp.       | Total Capacity hp. | Unit Capacity kw.       | Total Capacity kw. |
| <b>ONTARIO (Cont'd)</b> |                       |               |       |                |             |                |              |                         |                    |                         |                    |
| 61                      | Big Eddy              | Muskoka       | HEPCO | 1941           | 1941        | 38             | 2            | 5,280                   | 10,560             | 3,825                   | 7,650              |
| 62                      | Ragged Rapids         | Muskoka       | HEPCO | 1938           | 1938        | 38             | 2            | 5,200                   | 10,400             | 3,825                   | 7,650              |
| 63                      | Sturgeon Falls        | Seine         | OMPP  | 1927           | 1927        | 64             | 2            | 5,000                   | 10,000             | 3,825                   | 7,650              |
| 64                      | Matabitchuan          | Matabitchuan  | HEPCO | 1910           | 1910        | 305            | 4            | 3,300                   | 13,200             | 1,690                   | 6,760              |
| 65                      | Swift Rapids          | Severn        | OWLP  | 1916           | 1966        | 47             | 1<br>2       | 2,120<br>3,500          | 9,120              | 1,350<br>2,700          | 6,750              |
| 66                      | Lower Sturgeon        | Mattagami     | HEPCO | 1923           | 1923        | 42             | 2            | 4,000                   | 8,000              | 3,200                   | 6,400              |
| 67                      | Smooth Rock           | Mattagami     | APPC  | 1916           | 1916        | 45             | 2            | 4,500                   | 9,000              | 3,125                   | 6,250              |
| 68                      | Eugenia               | Beaver        | HEPCO | 1915           | 1920        | 550            | 2<br>1       | 2,250<br>4,000          | 8,500              | 1,200<br>2,400          | 4,800              |
| 69                      | Meyersburg            | Trent         | HEPCO | 1924           | 1924        | 32             | 3            | 2,200                   | 6,600              | 1,600                   | 4,800              |
| 70                      | Nairn                 | Spanish       | HCL   | 1917           | 1919        | 30             | 3            | 2,600                   | 7,800              | 1,500                   | 4,500              |
| 71                      | Chaudière Falls No. 2 | Ottawa        | OHEC  | 1909           | 1936        | 40             | 3            | 2,300                   | 6,900              | 1,462                   | 4,386              |
| 72                      | Peterborough          | Otonabee      | PHPC  | 1902           | 1950        | 27             | 1<br>1<br>1  | 2,300<br>2,550<br>2,140 | 6,990              | 1,200<br>1,500<br>1,400 | 4,100              |
| 73                      | Coniston              | Wanapitei     | HEPCO | 1905           | 1915        | 53             | 1<br>1<br>1  | 1,200<br>1,600<br>3,500 | 6,300              | 720<br>1,125<br>2,250   | 4,095              |
| 74                      | Stinson               | Wanapitei     | HEPCO | 1925           | 1925        | -              | 2            | 3,500                   | 7,000              | 2,000                   | 4,000              |
| 75                      | Calabogie             | Madawaska     | HEPCO | 1917           | 1917        | 30             | 2            | 3,000                   | 6,000              | 2,000                   | 4,000              |
| 76                      | Big Chute             | Severn        | HEPCO | 1911           | 1919        | 56             | 3<br>1       | 1,300<br>2,300          | 6,200              | 900<br>1,280            | 3,980              |
| 77                      | South Falls           | South Muskoka | HEPCO | 1916           | 1925        | 107            | 1<br>2       | 1,000<br>2,200          | 5,400              | 635<br>1,600            | 3,835              |
| 78                      | Wabagishik            | Vermilion     | HCL   | 1912           | 1935        | 70             | 1<br>1       | 2,700<br>2,700          | 5,400              | 1,600<br>2,140          | 3,740              |
| 79                      | Minden                | Gull          | OWLP  | 1935           | 1935        | 66             | 2            | 2,600                   | 5,200              | 1,800                   | 3,600              |
| 80                      | Sandy Falls           | Mattagami     | HEPCO | 1911           | 1916        | 32<br>34       | 2<br>1       | 1,200<br>2,500          | 4,900              | 950<br>1,595            | 3,495              |
| 81                      | Hagues Reach          | Trent         | HEPCO | 1925           | 1925        | 22.5           | 3            | 1,600                   | 4,800              | 1,120                   | 3,360              |
| 82                      | Indian Chute          | Montreal      | HEPCO | 1923           | 1924        | 45             | 2            | 2,250                   | 4,500              | 1,620                   | 3,240              |
| 83                      | Sidney                | Trent         | HEPCO | 1911           | 1911        | 20             | 4            | 1,400                   | 5,600              | 795                     | 3,180              |

**HYDRO**

| No. | Development | River | Owner | Year<br>Installed |                | Rated<br>Head<br>ft. | No.<br>of<br>Units | Turbines                |                          | Generators              |                          |
|-----|-------------|-------|-------|-------------------|----------------|----------------------|--------------------|-------------------------|--------------------------|-------------------------|--------------------------|
|     |             |       |       | First<br>Unit     | Latest<br>Unit |                      |                    | Unit<br>Capacity<br>hp. | Total<br>Capacity<br>hp. | Unit<br>Capacity<br>kw. | Total<br>Capacity<br>kw. |

ONTARIO (Cont'd)

|     |                 |               |       |      |      |          |             |                       |       |                   |       |
|-----|-----------------|---------------|-------|------|------|----------|-------------|-----------------------|-------|-------------------|-------|
| 84  | Seymour         | Trent         | HEPCO | 1909 | 1911 | 23       | 4<br>1      | 1,100<br>1,100        | 5,500 | 600<br>750        | 3,150 |
| 85  | Mathias         | Muskoka       | OWLP  | 1950 | -    | 43       | 1           | 3,770                 | 3,770 | 2,812             | 2,812 |
| 86  | Hound Chute     | Montreal      | HEPCO | 1910 | 1911 | -        | 4           | 1,335                 | 5,340 | 700               | 2,800 |
| 87  | Kapuskasing     | Kapuskasing   | SFPPC | 1923 | -    | 30       | 1           | 2,500                 | 2,500 | 2,750             | 2,750 |
| 88  | Frankford       | Trent         | HEPCO | 1913 | 1913 | 18       | 4           | 1,200                 | 4,800 | 650               | 2,600 |
| 89  | Jones Falls     | Rideau Canal  | GELW  | 1948 | 1950 | 65<br>58 | 1<br>2<br>1 | 250<br>1,037<br>1,500 | 3,824 | 180<br>800<br>800 | 2,580 |
| 90  | Sills Island    | Trent         | HEPCO | 1926 | 1926 | 14       | 1<br>1      | 1,000<br>1,000        | 2,000 | 1,275<br>1,020    | 2,295 |
| 91  | McVittie        | Wanapitei     | HEPCO | 1912 | 1912 | 42       | 2           | 1,800                 | 3,600 | 1,125             | 2,250 |
| 92  | Nassau          | Otonabee      | CGEC  | 1902 | 1926 | 16       | 1<br>2      | 1,600<br>700          | 3,000 | 1,500<br>360      | 2,220 |
| 93  | High Falls      | Mississippi   | HEPCO | 1920 | 1920 | 82       | 3           | 1,240                 | 3,720 | 700               | 2,100 |
| 94  | Nipissing       | South         | HEPCO | 1909 | 1909 | -        | 1<br>1      | 1,250<br>1,250        | 2,500 | 1,000<br>1,050    | 2,050 |
| 95  | Lakefield       | Otonabee      | HEPCO | 1928 | -    | 16       | 1           | 3,100                 | 3,100 | 2,000             | 2,000 |
| 96  | Fountain Falls  | Montreal      | HEPCO | 1914 | 1914 | 30       | 2           | 1,500                 | 3,000 | 1,000             | 2,000 |
| 97  | Rideau Falls    | Rideau        | DPW   | 1909 | 1909 | 47       | 2           | 1,500                 | 3,000 | 1,000             | 2,000 |
| 98  | Crow Bay        | Trent Canal   | CPUC  | 1909 | 1911 | -        | 1<br>1      | 1,470<br>1,000        | 2,470 | 1,125<br>850      | 1,975 |
| 99  | Auburn          | Otonabee      | HEPCO | 1911 | 1912 | 18       | 3           | 950                   | 2,850 | 625               | 1,875 |
| 100 | Current River   | Current       | PAPUC | 1902 | 1906 | 80       | 2<br>1      | 450<br>1,200          | 2,100 | 350<br>1,100      | 1,800 |
| 101 | Eagle           | Eagle         | DPC   | 1928 | -    | 37       | 1           | 2,000                 | 2,000 | 1,760             | 1,760 |
| 102 | Trethewey Falls | South Muskoka | HEPCO | 1929 | -    | 35       | 1           | 2,300                 | 2,300 | 1,600             | 1,600 |

Total capacity of plants under 1,500 kw. 30,086 21,244

Total capacity of turbines connected directly to mechanical equipment 27,375

Total (all plants) 8,927,805 6,412,082

**THERMAL**

# THERMAL

| No. | Station | Location | Owner | Year<br>Installed |                | Fuel | Type<br>of<br>Prime<br>Mover | Generators |                         |                          |
|-----|---------|----------|-------|-------------------|----------------|------|------------------------------|------------|-------------------------|--------------------------|
|     |         |          |       | First<br>Unit     | Latest<br>Unit |      |                              | No.        | Unit<br>Capacity<br>kw. | Total<br>Capacity<br>kw. |

## Ontario

|    |                                       |                  |       |      |      |                                 |    |   |         |           |
|----|---------------------------------------|------------------|-------|------|------|---------------------------------|----|---|---------|-----------|
| 1  | Lakeview                              | Toronto          | HEPCO | 1961 | 1966 | Coal                            | S  | 8 | 300,000 |           |
| 2  | Richard L. Hearn                      | Toronto          | HEPCO | 1951 | 1966 | Oil                             | CT | 4 | 7,500   | 2,430,000 |
|    |                                       |                  |       |      |      | Coal                            | S  | 4 | 100,000 |           |
|    |                                       |                  |       |      |      |                                 | CT | 4 | 200,000 |           |
| 3  | J. Clark Keith                        | Windsor          | HEPCO | 1951 | 1967 | Oil                             | CT | 4 | 7,500   | 1,230,000 |
| 4  | Douglas Point                         | Kincardine       | HEPCO | 1966 | -    | Uranium<br>dioxide              | S  | 1 | 200,000 | 200,000   |
| 5  | Thunder Bay                           | Fort William     | HEPCO | 1963 | -    | Coal                            | S  | 1 | 100,000 |           |
|    |                                       |                  |       |      |      |                                 | CT | 2 | 14,150  | 128,300   |
| 6  | Detweiler                             | Kitchener        | HEPCO | 1967 | 1967 | Oil                             | CT | 4 | 16,320  | 65,280    |
| 7  | A. W. Manby                           | Toronto          | HEPCO | 1965 | 1966 | Oil                             | CT | 4 | 16,320  | 65,280    |
| 8  | Windsor                               | Windsor          | FMCC  | 1936 | 1952 | Coal                            | S  | 1 | 10,000  |           |
|    |                                       |                  |       |      |      |                                 | 1  | 1 | 4,000   |           |
|    |                                       |                  |       |      |      |                                 | 2  | 2 | 25,000  | 64,000    |
| 9  | Sarnia-Scott                          | Sarnia           | HEPCO | 1965 | 1966 | Oil                             | CT | 2 | 15,000  |           |
|    |                                       |                  |       |      |      |                                 | 2  | 2 | 16,320  | 62,640    |
| 10 | Sarnia                                | Sarnia           | PC    | 1943 | 1956 | Coal, oil                       | S  | 1 | 10,000  |           |
|    |                                       |                  |       |      |      |                                 | 1  | 1 | 5,000   |           |
|    |                                       |                  |       |      |      |                                 | 1  | 1 | 4,000   |           |
|    |                                       |                  |       |      |      |                                 | 1  | 1 | 13,200  | 32,280    |
| 11 | Lambton                               | Sarnia           | HEPCO | 1967 | 1967 | Oil                             | CT | 4 | 7,500   | 30,000    |
| 12 | Sault Ste. Marie                      | Sault Ste. Marie | ASC   | 1942 | 1963 | Gas, oil<br>coal                | S  | 2 | 12,500  |           |
|    |                                       |                  |       |      |      |                                 | 2  | 2 | 625     | 26,250    |
| 13 | Fort William                          | Fort William     | GLPAC | 1928 | -    | Gas,<br>coal,<br>wood-<br>waste | S  | 1 | 4,000   |           |
|    |                                       |                  |       |      |      |                                 | 1  | 1 | 5,000   |           |
|    |                                       |                  |       |      |      |                                 | 1  | 1 | 17,100  | 26,100    |
| 14 | Kapuskasing                           | Kapuskasing      | SFPPC | 1928 | 1958 | Coal,<br>gas,<br>wood-<br>waste | S  | 2 | 650     |           |
|    |                                       |                  |       |      |      |                                 | 1  | 1 | 12,500  |           |
|    |                                       |                  |       |      |      |                                 | 1  | 1 | 9,100   | 22,900    |
| 15 | Nuclear Power De-<br>monstration Unit | Rolphton         | AECL  | 1962 | -    | Uranium<br>dioxide              | S  | 1 | 20,000  | 20,000    |
| 16 | Marathon                              | Marathon         | ACC   | 1946 | 1948 | Coal,<br>oil                    | S  | 1 | 7,500   |           |
|    |                                       |                  |       |      |      |                                 | 2  | 2 | 4,000   | 15,500    |
| 17 | Amherstburg                           | Amherstburg      | ACCL  | 1938 | 1957 | Coal                            | S  | 1 | 2,500   |           |
|    |                                       |                  |       |      |      |                                 | 1  | 1 | 4,700   |           |
|    |                                       |                  |       |      |      |                                 | 1  | 1 | 3,750   | 10,950    |
| 18 | Hamilton                              | Hamilton         | SCC   | 1948 | 1959 | Coke<br>oven<br>gas, oil        | S  | 1 | 4,000   |           |
|    |                                       |                  |       |      |      |                                 | 1  | 1 | 6,000   | 10,000    |

CT - Combustion Turbine, S - Steam

# THERMAL

| No.                     | Station      | Location     | Owner | Year<br>Installed |                | Fuel                            | Type<br>of<br>Prime<br>Mover | Generators  |                         |                          |
|-------------------------|--------------|--------------|-------|-------------------|----------------|---------------------------------|------------------------------|-------------|-------------------------|--------------------------|
|                         |              |              |       | First<br>Unit     | Latest<br>Unit |                                 |                              | No.         | Unit<br>Capacity<br>kw. | Total<br>Capacity<br>kw. |
| <b>ONTARIO (Cont'd)</b> |              |              |       |                   |                |                                 |                              |             |                         |                          |
| 19                      | Thorold      | Thorold      | OPC   | 1937              | 1937           | Coal,<br>gas                    | S                            | 2           | 4,000                   | 8,000                    |
| 20                      | Dryden       | Dryden       | DPC   | 1954              | -              | Coal,<br>gas                    | S                            | 1           | 6,000                   | 6,000                    |
| 21                      | Sation No. 6 | Gananoque    | GELW  | 1959              | 1967           | Gas                             | IC                           | 2<br>1<br>1 | 1,360<br>1,200<br>1,250 | 5,170                    |
| 22                      | Walkerville  | Walkerville  | HWS   | 1924              | 1955           | Coal                            | S                            | 2<br>1<br>1 | 1,000<br>2,500<br>625   | 5,125                    |
| 23                      | Strathcona   | Strathcona   | SP    | 1955              | 1955           | Coal                            | S                            | 2           | 1,655                   | 3,310                    |
| 24                      | Chatham      | Chatham      | CDSC  | 1946              | 1946           | Coal                            | S                            | 2           | 1,500                   | 3,000                    |
| 25                      | Fort Frances | Fort Frances | OMPP  | 1927              | -              | Coal                            | S                            | 1           | 3,000                   | 3,000                    |
| 26                      | Blind River  | Blind River  | MFLG  | 1927              | 1927           | Wood-<br>waste                  | S                            | 1<br>1      | 750<br>2,000            | 2,750                    |
| 27                      | Toronto      | Toronto      | CDSC  | 1959              | -              | Coal,<br>gas, oil               | S                            | 1           | 2,500                   | 2,500                    |
| 28                      | Toronto      | Toronto      | CCCC  | 1937              | -              | Coal,<br>oil                    | S                            | 1           | 2,500                   | 2,500                    |
| 29                      | Ottawa       | Ottawa       | EBEC  | 1923              | -              | Coal                            | S                            | 1           | 2,500                   | 2,500                    |
| 30                      | Port Arthur  | Port Arthur  | APPC  | 1928              | -              | Coal,<br>wood-<br>waste,<br>gas | S                            | 1           | 2,500                   | 2,500                    |
| 31                      | New Toronto  | New Toronto  | GTR   | 1940              | -              | Coal, oil                       | S                            | 1           | 2,500                   | 2,500                    |
| 32                      | Pembroke     | Pembroke     | PELC  | 1929              | 1949           | Oil                             | IC                           | 1<br>2      | 933<br>671              | 2,275                    |
| 33                      | Orillia      | Orillia      | OWLP  | 1947              | 1948           | Oil                             | IC                           | 1<br>1      | 1,000<br>1,136          | 2,136                    |
| 34                      | Cardinal     | Cardinal     | CSC   | 1945              | 1964           | Oil                             | IC                           | 3<br>1<br>1 | 320<br>640<br>500       | 2,100                    |
| 35                      | Peterborough | Peterborough | CGEC  | 1930              | 1949           | Coal                            | S                            | 1           | 2,000                   | 2,000                    |
| 36                      | Espanola     | Espanola     | KVPC  | 1947              | 1951           | Coal                            | S                            | 1           | 2,000                   | 2,000                    |

Total capacity of plants 1,500 kw. and over (not listed above)

99,250

Total capacity of plants under 1,500 kw.

10,500

Total (all plants)

4,880,096

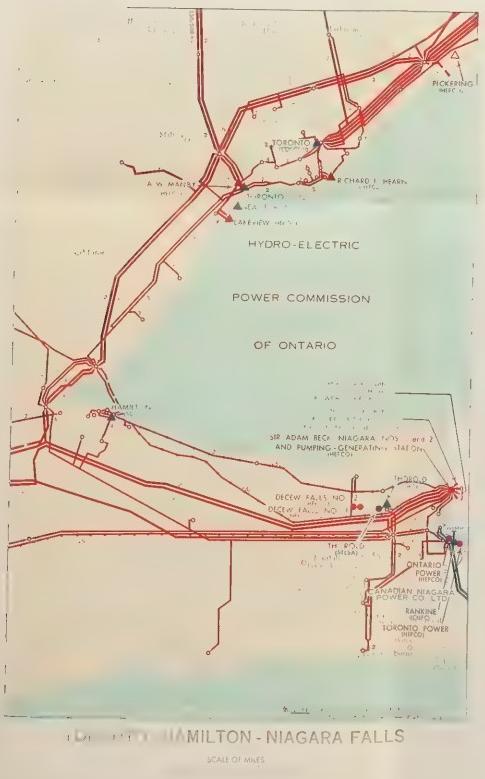


## OWNER CODE INDEX

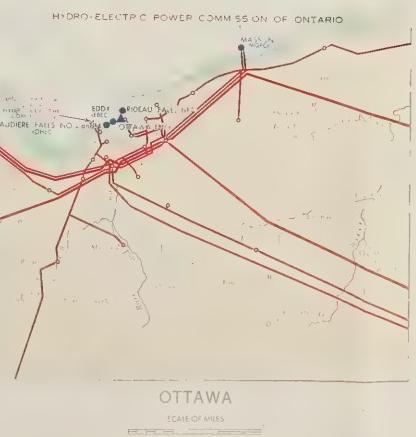
| CODE       | OWNER                                              |
|------------|----------------------------------------------------|
| ACC.....   | American Can of Canada Limited                     |
| ACCL.....  | Allied Chemical Canada Limited                     |
| AECL.....  | Atomic Energy of Canada Limited                    |
| APPC.....  | Abitibi Power and Paper Company Limited            |
| ASC.....   | Algoma Steel Corporation Limited                   |
| CCCC.....  | Continental Can Company of Canada Limited          |
| CDSC.....  | Canada and Dominion Sugar Company Limited          |
| CGEC.....  | Canadian General Electric Company Limited          |
| CNPC.....  | Canadian Niagara Power Company Limited             |
| CPUC.....  | Campbellford Public Utilities Commission           |
| CSC.....   | Canada Starch Company Limited                      |
| DPC.....   | Dryden Paper Company Limited                       |
| DPW.....   | Department of Public Works, Government of Canada   |
| EBEC.....  | E. B. Eddy Company                                 |
| FMCC.....  | Ford Motor Company of Canada Limited               |
| GELW.....  | Gananoque Electric Light and Water Supply Co. Ltd. |
| GLPAC..... | Great Lakes Paper Company                          |
| GLPC.....  | Great Lakes Power Corporation Limited              |
| GTR.....   | Goodyear Tire and Rubber Company Limited           |
| HCL.....   | Huronian Company Limited                           |
| HEPCO..... | Hydro-Electric Power Commission of Ontario         |
| HWS.....   | Hiram Walker and Sons Limited                      |
| KVPC.....  | Kalamazoo Vegetable Parchment Company Limited      |
| MFLC.....  | McFadden Lumber Co. (Domtar)                       |
| OHEC.....  | Ottawa Hydro-Electric Commission                   |
| OMPP.....  | Ontario-Minnesota Pulp and Paper Company Limited   |
| OPC.....   | Ontario Paper Company                              |
| OWLP.....  | Orillia Water Light and Power Commission           |
| PAPUC..... | Port Arthur Public Utilities Commission            |
| PC.....    | Polymer Corporation                                |
| PELC.....  | Pembroke Electric Light Company Limited            |
| PHPC.....  | Peterborough Hydraulic Power Company               |
| SCC.....   | Steel Company of Canada Limited                    |
| SFPPC..... | Spruce Falls Power and Paper Company               |
| SP.....    | Strathcona Paper Company Limited                   |
| STLSA..... | St. Lawrence Seaway Authority                      |







OTTAWA  
SCALE OF MILES





Inland Waters Branch

DEPARTMENT OF ENERGY, MINES AND RESOURCES  
OTTAWA, CANADA

Commenced in 1967 and completed in 1968, the 11,200-kilowatt Lequille hydroelectric station, housed in a replica of an old French grist mill, is the Centennial project of Nova Scotia Light and Power Company.

The station stands on a site close to what is believed to be the exact location of America's first grist mill, built near Port Royal by the French baron and mill-owner, Poutrincourt, in 1607. Poutrincourt's mill has been described as the first engineering achievement in the new world. Close by, Canada's first wheat was planted and harvested.

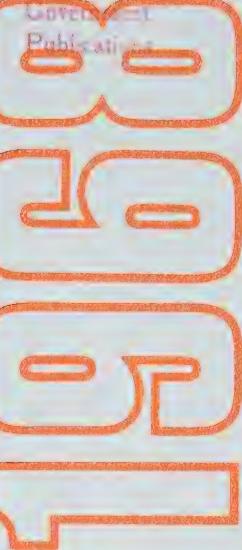
The mill which houses the hydro plant is not an exact replica of Poutrincourt's mill, as the records left by Champlain and Lescarbot, contemporaries of Poutrincourt, fail to disclose any of the structural details. The present building is, however, an authentic replica of a typical French grist mill of the period 1550 to 1750, the "Baroque" period, in Europe. It is roofed with hand-split cedar shingles similar to those used in the early 1600's. The sides are faced with old brick of a type made in the Annapolis area in the same period.

The Lequille River, known variously throughout its chequered history as the Dauphin River, Mill River, Allain's or Allen's River, supplies water through 1,530 feet of 7' diameter penstock to drive the station's 15,000-horsepower turbine.

The few horsepower extracted by Poutrincourt's mill from the Lequille River in the early seventeenth century was used to grind grain for the small settlement of Port Royal; three hundred and sixty years later, Nova Scotia Light and Power Company's "mill" on North America's oldest working river feeds electrical energy to a transmission grid which supplies power to a flour mill on the Halifax waterfront.

CAI MT 51

S22



# electric power in canada



map supplement  
prairie provinces



CAI K-51  
S22



TRANSMISSION  
AND  
GENERATING FACILITIES

---

Prairie Provinces

INLAND WATERS BRANCH  
DEPARTMENT OF ENERGY, MINES AND RESOURCES

©  
QUEEN'S PRINTER FOR CANADA  
OTTAWA, 1969  
Cat. No. M23-108/1968-4

HYDRO

# HYDRO

| No. | Development | River | Owner | Year Installed |             | Rated Head ft. | No. of Units | Turbines          |                    | Generators        |                    |
|-----|-------------|-------|-------|----------------|-------------|----------------|--------------|-------------------|--------------------|-------------------|--------------------|
|     |             |       |       | First Unit     | Latest Unit |                |              | Unit Capacity hp. | Total Capacity hp. | Unit Capacity kw. | Total Capacity kw. |
|     |             |       |       |                |             |                |              |                   |                    |                   |                    |

## Alberta

|    |                               |                      |    |      |      |            |        |                    |         |                    |         |
|----|-------------------------------|----------------------|----|------|------|------------|--------|--------------------|---------|--------------------|---------|
| 1  | Big Bend                      | Brazeau              | CP | 1965 | 1967 | 386        | 1      | 210,000<br>250,000 | 460,000 | 144,000<br>161,500 | 305,500 |
| 2  | Spray                         | Spray Diver-<br>sion | CP | 1951 | 1960 | 875        | 2      | 62,000             | 124,000 | 40,400             | 80,800  |
| 3  | Rundle                        | Spray Diver-<br>sion | CP | 1951 | 1960 | 318<br>317 | 1<br>1 | 23,000<br>40,000   | 63,000  | 17,000<br>29,750   | 46,750  |
| 4  | Ghost                         | Bow                  | CP | 1929 | 1954 | 105<br>92  | 2<br>1 | 18,000<br>30,000   | 66,000  | 12,750<br>21,150   | 46,650  |
| 5  | Cascade                       | Cascade              | CP | 1942 | 1957 | 320        | 2      | 23,000             | 46,000  | 17,000             | 34,000  |
| 6  | Pumping-Generating<br>Station | Brazeau              | CP | 1965 | -    | -          | 2      | 12,850             | 25,700  | 9,720              | 19,440  |
| 7  | Horseshoe                     | Bow                  | CP | 1953 | 1955 | 72         | 2      | 4,680<br>7,500     | 24,360  | 3,375<br>5,625     | 18,000  |
| 8  | Kananaskis                    | Bow                  | CP | 1913 | 1951 | 68<br>70   | 2      | 6,000<br>12,000    | 24,000  | 3,400<br>9,560     | 16,360  |
| 9  | Bearspaw                      | Bow                  | CP | 1954 | -    | 48         | 1      | 20,750             | 20,750  | 15,300             | 15,300  |
| 10 | Pocaterra                     | Kananaskis           | CP | 1955 | -    | 185        | 1      | 18,400             | 18,400  | 13,500             | 13,500  |
| 11 | Barrier                       | Kananaskis           | CP | 1947 | -    | 135        | 1      | 13,500             | 13,500  | 9,560              | 9,560   |
| 12 | Interlakes                    | Kananaskis           | CP | 1955 | -    | 98         | 1      | 6,900              | 6,900   | 5,040              | 5,040   |
| 13 | Three Sisters                 | Spray Diver-<br>sion | CP | 1951 | -    | 50         | 1      | 3,600              | 3,600   | 3,400              | 3,400   |

Total capacity of plants under 1,500 kw. 1,843 1,400

Total capacity of turbines connected directly to mechanical equipment

Total (all plants) 898,053 616,200

## Saskatchewan

|   |               |                         |      |      |      |     |   |                  |                   |                  |                  |
|---|---------------|-------------------------|------|------|------|-----|---|------------------|-------------------|------------------|------------------|
| 1 | Squaw Rapids  | Saskatchewan            | SPC  | 1963 | 1966 | 105 | 6 | 46,000<br>53,000 | 382,000           | 33,500<br>38,700 | 278,400          |
| 2 | Coteau Creek  | South Saskat-<br>chewan | SPC  | 1968 | 1968 |     | 3 | 84,000           | 252,000           | 62,200           | 186,600          |
| 3 | Island Falls  | Churchill               | CRPC | 1930 | 1959 | 56  | 3 | 16,500<br>19,000 |                   | 11,880<br>18,000 |                  |
| 4 | Waterloo Lake | Charlot                 | EN   | 1961 | -    | 63  | 1 | 19,000<br>10,000 | 125,500<br>10,000 | 17,100<br>7,500  | 106,740<br>7,500 |

# HYDRO

| No. | Development | River | Owner | Year<br>Installed |                | Rated<br>Head<br>ft. | No.<br>of<br>Units | Turbines                |                          | Generators              |                          |
|-----|-------------|-------|-------|-------------------|----------------|----------------------|--------------------|-------------------------|--------------------------|-------------------------|--------------------------|
|     |             |       |       | First<br>Unit     | Latest<br>Unit |                      |                    | Unit<br>Capacity<br>hp. | Total<br>Capacity<br>hp. | Unit<br>Capacity<br>kw. | Total<br>Capacity<br>kw. |
|     |             |       |       |                   |                |                      |                    |                         |                          |                         |                          |

SASKATCHEWAN (Cont'd)

|   |                 |         |    |      |      |    |   |       |       |       |       |
|---|-----------------|---------|----|------|------|----|---|-------|-------|-------|-------|
| 5 | Wellington Lake | Charlot | EN | 1939 | 1960 | 70 | 2 | 3,300 | 6,600 | 2,400 | 4,800 |
|---|-----------------|---------|----|------|------|----|---|-------|-------|-------|-------|

Total capacity of plants under 1,500 kw.

Total capacity of turbines connected directly to mechanical equipment

|                    |         |         |
|--------------------|---------|---------|
| Total (all plants) | 776,100 | 584,040 |
|--------------------|---------|---------|

## Manitoba

|    |                    |              |     |      |      |    |   |         |         |         |         |
|----|--------------------|--------------|-----|------|------|----|---|---------|---------|---------|---------|
| 1  | Grand Rapids       | Saskatchewan | MH  | 1965 | 1968 | -  | 4 | 150,000 | 600,000 | 109,250 | 437,000 |
| 2  | Kelsey             | Nelson       | MH  | 1960 | 1961 | 50 | 5 | 42,000  | 210,000 | 33,750  | 168,750 |
| 3  | Seven Sisters      | Winnipeg     | MH  | 1931 | 1952 | 66 | 6 | 33,330  | 200,000 | 25,000  | 150,000 |
| 4  | Great Falls        | Winnipeg     | MH  | 1923 | 1928 | 58 | 6 | 31,000  | 186,000 | 22,000  | 132,000 |
| 5  | Pine Falls         | Winnipeg     | MH  | 1951 | 1952 | 37 | 6 | 19,000  | 114,000 | 13,950  | 83,700  |
| 6  | Slave Falls        | Winnipeg     | WH  | 1931 | 1948 | 30 | 8 | 12,000  | 96,000  | 9,000   | 72,000  |
| 7  | Pointe du Bois     | Winnipeg     | WH  | 1911 | 1925 | 45 | 5 | 5,200   |         | 3,000   |         |
|    |                    |              |     |      |      | 3  |   | 6,800   |         | 4,000   |         |
|    |                    |              |     |      |      | 3  |   | 6,900   |         | 5,200   |         |
|    |                    |              |     |      |      | 3  |   | 7,300   |         | 5,200   |         |
|    |                    |              |     |      |      | 2  |   | 8,000   | 105,000 | 5,200   | 68,600  |
| 8  | McArthur Falls     | Winnipeg     | MH  | 1954 | 1955 | 23 | 8 | 10,000  | 80,000  | 7,650   | 61,200  |
| 9  | Laurie River No. 2 | Laurie       | SGM | 1958 | -    | 55 | 1 | 7,000   | 7,000   | 5,400   | 5,400   |
| 10 | Laurie River No. 1 | Laurie       | SGM | 1950 | 1952 | 55 | 2 | 3,500   | 7,000   | 2,475   | 4,950   |

Total capacity of plants under 1,500 kw

Total capacity of turbines connected directly to mechanical equipment

|                    |           |           |
|--------------------|-----------|-----------|
| Total (all plants) | 1,605,000 | 1,183,600 |
|--------------------|-----------|-----------|



**THERMAL**

# THERMAL

| No. | Station | Location | Owner | Year Installed |             | Fuel | Type of Prime Mover | Generators |                   |                    |
|-----|---------|----------|-------|----------------|-------------|------|---------------------|------------|-------------------|--------------------|
|     |         |          |       | First Unit     | Latest Unit |      |                     | No.        | Unit Capacity kw. | Total Capacity kw. |

## Alberta

|    |                   |               |      |      |      |                      |    |             |                              |         |
|----|-------------------|---------------|------|------|------|----------------------|----|-------------|------------------------------|---------|
| 1  | Wabamun           | Wabamun       | CP   | 1956 | 1967 | Gas, coal            | S  | 2<br>1<br>1 | 66,000<br>150,000<br>300,000 | 582,000 |
| 2  | Rosedale          | Edmonton      | CE   | 1939 | 1966 | Gas, oil             | S  | 2<br>3<br>2 | 15,000<br>30,000<br>75,000   |         |
|    |                   |               |      |      |      |                      | GT | 2           | 30,000                       |         |
|    |                   |               |      |      |      |                      | S  | 1           | 75,000                       | 405,000 |
| 3  | Battle River      | Forestburg    | CU   | 1956 | 1964 | Coal, oil            | S  | 2           | 33,000                       | 66,000  |
| 4  | Tar Island        | Fort McMurray | GCOS | 1966 | 1967 | Coke                 | S  | 2           | 32,500                       | 65,000  |
| 5  | Medicine Hat      | Medicine Hat  | CMH  | 1929 | 1953 | Gas                  | S  | 1<br>1<br>1 | 3,000<br>5,000<br>30,000     | 38,000  |
| 6  | Lethbridge        | Lethbridge    | CL   | 1931 | 1961 | Gas                  | S  | 1<br>2      | 3,375<br>5,000               |         |
|    |                   |               |      |      |      |                      | GT | 2           | 10,000                       | 33,375  |
| 7  | Rainbow Lake      | Rainbow Lake  | NU   | 1968 | -    | Gas                  | GT | 1           | 30,000                       | 30,000  |
| 8  | Hinton            | Hinton        | NWPP | 1956 | 1957 | Gas, wood-waste, oil | S  | 1           | 21,760                       |         |
|    |                   |               |      |      |      |                      | IC | 1<br>1      | 1,100<br>1,000               | 23,860  |
| 9  | Clover Bar        | Edmonton      | C    | 1953 | 1966 | Gas                  | S  | 3<br>1      | 6,000<br>4,000               | 22,000  |
| 10 | Simonette         | Simonette     | CU   | 1966 |      | Flare gas            | GT | 1           | 20,000                       | 20,000  |
| 11 | Sturgeon          | Valleyview    | CU   | 1958 | 1961 | Flare gas            | GT | 1<br>1      | 10,000<br>8,500              | 18,500  |
| 12 | Drumheller        | Drumheller    | CU   | 1928 | 1952 | Coal                 | S  | 2<br>1      | 7,500<br>2,500               | 17,500  |
| 13 | Two Hills         | Duvernay      | WC   | 1953 | 1958 | Gas                  | S  | 3<br>1      | 300<br>1,200                 |         |
|    |                   |               |      |      |      |                      | IC | 6           | 500                          |         |
|    |                   |               |      |      |      |                      | GT | 1           | 8,437                        | 13,537  |
| 14 | Sentinel          | Coleman       | CP   | 1927 | 1929 | Coal                 | S  | 2           | 5,000                        | 10,000  |
| 15 | South Power Plant | Edmonton      | DPWA | 1959 | 1963 | Gas                  | GT | 1           | 2,100                        |         |
|    |                   |               |      |      |      |                      | S  | 1<br>1      | 5,000<br>2,200               | 9,300   |
| 16 | Fairview          | Fairview      | NU   | 1954 | 1960 | Gas                  | IC | 3           | 3,000                        | 9,000   |
| 17 | Vermilion         | Vermilion     | CU   | 1948 | 1961 | Gas                  | S  | 4           | 2,250                        | 9,000   |
| 18 | Taber             | Taber         | CSF  | 1950 | 1967 | Gas, oil             | S  | 1<br>1<br>1 | 2,000<br>1,675<br>4,300      | 7,975   |

GT - Gas Turbine, IC - Internal Combustion, S - Steam

# THERMAL

| No. | Station | Location | Owner | Year<br>Installed |                | Fuel | Type<br>of<br>Prime<br>Mover | Generators |                         |                          |
|-----|---------|----------|-------|-------------------|----------------|------|------------------------------|------------|-------------------------|--------------------------|
|     |         |          |       | First<br>Unit     | Latest<br>Unit |      |                              | No.        | Unit<br>Capacity<br>kw. | Total<br>Capacity<br>kw. |

ALBERTA (Cont'd)

|    |                       |                   |      |      |      |     |    |    |       |       |
|----|-----------------------|-------------------|------|------|------|-----|----|----|-------|-------|
| 19 | Fort McMurray         | Fort McMurray     | CU   | 1954 | 1968 | Oil | IC | 4  | 500   |       |
|    |                       |                   |      |      |      |     |    | 2  | 1,200 |       |
|    |                       |                   |      |      |      |     |    | 1  | 2,500 |       |
|    |                       |                   |      |      |      |     |    | 1  | 650   | 7,550 |
| 20 | Fort Saskatchewan     | Fort Saskatchewan | SGM  | 1954 | 1959 | Gas | S  | 2  | 2,500 | 5,000 |
| 21 | Whitecourt            | Whitecourt        | PAPC | 1958 | 1964 | Gas | IC | 2  | 300   |       |
|    |                       |                   |      |      |      |     |    | 5  | 800   | 4,600 |
| 22 | Rimbey                | Rimbey            | BA   | 1960 | 1963 | Gas | S  | 4  | 1,000 | 4,000 |
| 23 | Jasper                | Jasper            | NU   | 1941 | 1968 | Oil | IC | 1  | 1,200 |       |
|    |                       |                   |      |      |      |     |    | 1  | 475   |       |
|    |                       |                   |      |      |      |     |    | 1  | 850   |       |
|    |                       |                   |      |      |      |     |    | 2  | 500   |       |
|    |                       |                   |      |      |      |     |    | 1  | 300   | 3,825 |
| 24 | Glenmore Filter Plant | Calgary           | COC  | 1965 | 1965 |     | S  | 2  | 1,800 | 3,600 |
| 25 | Picture Butte         | Picture Butte     | CSF  | 1936 | 1968 | Gas | S  | 1  | 1,250 |       |
|    |                       |                   |      |      |      |     |    | 2  | 750   | 2,750 |
| 26 | Foot Hills Hospital   | Calgary           |      | 1965 | 1965 |     | S  | 2  | 1,000 |       |
|    |                       |                   |      |      |      |     |    | IC | 1     | 450   |
| 27 | Edmonton              | Legislative Bldg. | DPWA | 1953 | 1965 | Gas | S  | 2  | 800   |       |
|    |                       |                   |      |      |      |     |    | 1  | 500   | 2,100 |
| 28 | Zama Lake             | Zama Lake         | NU   | 1968 | 1968 |     | IC | 2  | 600   |       |
|    |                       |                   |      |      |      |     |    | 1  | 500   |       |
|    |                       |                   |      |      |      |     |    | 2  | 75    | 1,850 |
| 29 | West Whitecourt       | West Whitecourt   | PAPC | 1968 |      |     | IC |    |       | 1,600 |

Total capacity of plants 1,500 kw. and over (not listed above)

4,000

Total capacity of plants under 1,500 kw.

15,855

Total (all plants)

1,439,227

IC - Internal Combustion, S - Steam

# THERMAL

| No. | Station | Location | Owner | Year Installed |             | Fuel | Type of Prime Mover | Generators |                   |                    |
|-----|---------|----------|-------|----------------|-------------|------|---------------------|------------|-------------------|--------------------|
|     |         |          |       | First Unit     | Latest Unit |      |                     | No.        | Unit Capacity kw. | Total Capacity kw. |

## Saskatchewan

|    |                 |                          |      |      |      |                |    |                  |                                       |         |
|----|-----------------|--------------------------|------|------|------|----------------|----|------------------|---------------------------------------|---------|
| 1  | Queen Elizabeth | Saskatoon                | SPC  | 1958 | 1959 | Gas, oil coal  | S  | 1<br>1           | 66,000<br>75,000                      | 141,000 |
| 2  | Boundary Dam    | Estevan                  | SPC  | 1959 | 1960 | Coal           | S  | 2                | 66,000                                | 132,000 |
| 3  | A. L. Cole      | Saskatoon                | SPC  | 1929 | 1957 | Coal, oil, gas | S  | 1<br>1<br>2<br>1 | 10,000<br>15,000<br>25,000,<br>30,000 | 105,000 |
| 4  | Regina          | Regina                   | SPC  | 1925 | 1960 | Oil, gas       | S  | 1<br>1<br>1<br>1 | 15,000<br>5,000<br>20,000<br>30,000   |         |
|    |                 |                          |      |      |      |                | GT | 1                | 23,360                                | 93,360  |
| 5  | Estevan         | Estevan                  | SPC  | 1929 | 1957 | Coal, gas      | S  | 1<br>1<br>1<br>1 | 5,000<br>15,000<br>20,000<br>30,000   | 70,000  |
| 6  | Success         | Success                  | SPC  | 1967 | 1967 | Gas            | GT | 3                | 11,840                                | 35,520  |
| 7  | Kindersley      | Kindersley               | SPC  | 1955 | 1958 | Gas            | IC | 3                | 3,000                                 |         |
|    |                 |                          |      |      |      |                | GT | 2                | 10,000                                | 29,000  |
| 8  | Moose Jaw       | Moose Jaw                | SPC  | 1930 | 1952 | Oil, gas       | S  | 1<br>1           | 10,000<br>15,000                      | 25,000  |
| 9  | Kalium          | Kalium                   | KC   | 1964 | 1964 | Gas            | S  | 2                | 7,500                                 | 15,000  |
| 10 | Swift Current   | Swift Current            | SPC  | 1954 | 1957 | Oil            | IC | 2<br>4           | 1,275<br>3,000                        | 14,550  |
| 11 | Eldorado        | Eldorado                 | EMR  | 1952 | 1956 | Oil            | IC | 4                | 2,250                                 | 9,000   |
| 12 | Flin Flon       | Flin Flon (Saskatchewan) | HBMS | 1929 | 1951 | Coal, oil      | S  | 1<br>1           | 1,000<br>6,000                        | 7,000   |
| 13 | La Ronge        | La Ronge                 | SPC  | 1953 | 1960 | Oil            | IC | 2<br>2<br>1<br>1 | 50<br>100<br>350<br>1,000             | 1,650   |

Total capacity of plants 1,500 kw. and over (not listed above) 10,000

Total capacity of plants under 1,500 kw. 3,017

Total (all plants) 691,097

THERMAL

| No. | Station | Location | Owner | Year<br>Installed |                | Fuel | Type<br>of<br>Prime<br>Mover | Generators |                         |                          |
|-----|---------|----------|-------|-------------------|----------------|------|------------------------------|------------|-------------------------|--------------------------|
|     |         |          |       | First<br>Unit     | Latest<br>Unit |      |                              | No.        | Unit<br>Capacity<br>kw. | Total<br>Capacity<br>kw. |

*Manitoba*

|                                                                |                |                |      |      |      |                               |    |   |        |         |
|----------------------------------------------------------------|----------------|----------------|------|------|------|-------------------------------|----|---|--------|---------|
| 1                                                              | Selkirk        | Selkirk        | MH   | 1960 | 1967 | Coal,<br>oil                  | S  | 2 | 66,000 |         |
| 2                                                              | Brandon        | Brandon        | MH   | 1957 | 1958 | Coal,<br>gas, oil             | GT | 2 | 11,900 | 155,800 |
| 3                                                              | Amy Street     | Winnipeg       | WH   | 1924 | 1954 | Coal                          | S  | 4 | 33,000 | 132,000 |
|                                                                |                |                |      |      |      |                               |    | 2 | 5,000  |         |
|                                                                |                |                |      |      |      |                               |    | 1 | 15,000 |         |
|                                                                |                |                |      |      |      |                               |    | 1 | 25,000 | 50,000  |
| 4                                                              | The Pas        | The Pas        | MH   | 1948 | 1962 | Oil                           | IC | 1 | 1,100  |         |
|                                                                |                |                |      |      |      |                               |    | 4 | 1,000  |         |
|                                                                |                |                |      |      |      |                               |    | 1 | 750    |         |
|                                                                |                |                |      |      |      |                               |    | 1 | 400    | 6,250   |
| 5                                                              | Fort Churchill | Fort Churchill | DPW  | 1949 | 1963 | Oil                           | IC | 3 | 200    |         |
|                                                                |                |                |      |      |      |                               |    | 4 | 300    |         |
|                                                                |                |                |      |      |      |                               |    | 3 | 1,136  | 5,208   |
| 6                                                              | Fort Garry     | Winnipeg       | MSC  | 1940 | 1953 | Oil                           | S  | 1 | 1,500  |         |
|                                                                |                |                |      |      |      |                               |    | 1 | 2,500  | 4,000   |
| 7                                                              | Churchill      | Churchill      | NHB  | 1931 | 1955 | Grain<br>refuse,<br>oil, coal | S  | 1 | 1,500  |         |
|                                                                |                |                |      |      |      |                               |    | 1 | 600    |         |
|                                                                |                |                |      |      |      |                               |    | 1 | 1,250  |         |
|                                                                |                |                |      |      |      |                               | IC | 1 | 200    |         |
|                                                                |                |                |      |      |      |                               |    | 1 | 250    | 3,800   |
| 8                                                              | Thompson       | Thompson       | INCO |      | 1958 | Oil                           | IC | 2 | 1,500  | 3,000   |
| Total capacity of plants 1,500 kw. and over (not listed above) |                |                |      |      |      |                               |    |   |        | 10,160  |
| Total capacity of plants under 1,500 kw.                       |                |                |      |      |      |                               |    |   |        | 4,421   |
| Total (all plants)                                             |                |                |      |      |      |                               |    |   |        | 374,639 |

GT - Gas Turbine, IC - Internal Combustion, S - Steam



## **OWNER CODE INDEX**

| CODE      | OWNER                                                           |
|-----------|-----------------------------------------------------------------|
| BA.....   | British American Oil Company                                    |
| C.....    | Chemse11 (1953) Limited                                         |
| CE.....   | City of Edmonton                                                |
| CL.....   | City of Lethbridge                                              |
| CMH.....  | City of Medicine Hat                                            |
| CO.....   | City of Calgary                                                 |
| CP.....   | Calgary Power Ltd.                                              |
| CRPC..... | Churchill River Power Company                                   |
| CSF.....  | Canadian Sugar Factories Limited                                |
| CU.....   | Canadian Utilities Limited                                      |
| DPWA..... | Department of Public Works, Government of Alberta               |
| DPW.....  | Department of Public Works, Government of Canada                |
| EN .....  | Eldorado Nuclear Limited                                        |
| GCOS..... | Great Canadian Oil Sands Limited                                |
| HBMS..... | Hudson Bay Mining and Smelting Company Limited                  |
| INCO..... | International Nickel Company of Canada Limited                  |
| KC.....   | Kalium Chemicals Limited                                        |
| MH.....   | Manitoba Hydro                                                  |
| MSC.....  | Manitoba Sugar Company Limited                                  |
| NHB.....  | National Harbours Board, Government of Canada                   |
| NU.....   | Northland Utilities Limited                                     |
| NWPP..... | North Western Pulp and Power Limited                            |
| PAPC..... | Pan American Petroleum Corporation                              |
| SGM.....  | Sherritt-Gordon Mines Limited                                   |
| SPC.....  | Saskatchewan Power Corporation                                  |
| WC.....   | Canadian Chemicals Limited (formerly Western Chemicals Limited) |
| WH.....   | Winnipeg Hydro                                                  |









Inland Waters Branch

DEPARTMENT OF ENERGY, MINES AND RESOURCES  
OTTAWA, CANADA

Commenced in 1967 and completed in 1968, the 11,200-kilowatt Lequille hydro-electric station, housed in a replica of an old French grist mill, is the Centennial project of Nova Scotia Light and Power Company.

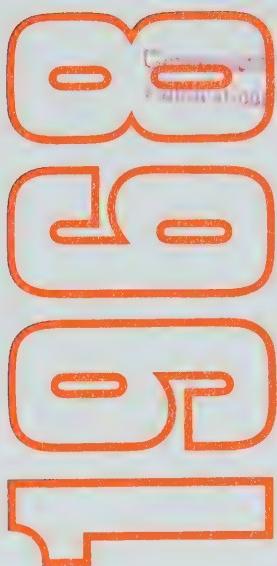
The station stands on a site close to what is believed to be the exact location of America's first grist mill, built near Port Royal by the French baron and mill-owner, Poutrincourt, in 1607. Poutrincourt's mill has been described as the first engineering achievement in the new world. Close by, Canada's first wheat was planted and harvested.

The mill which houses the hydro plant is not an exact replica of Poutrincourt's mill, as the records left by Champlain and Lescarbot, contemporaries of Poutrincourt, fail to disclose any of the structural details. The present building is, however, an authentic replica of a typical French grist mill of the period (1550 to 1750), the "Baroque" period, in Europe. It is roofed with hand-split cedar shingles similar to those used in the early 1600's. The sides are faced with old brick of a type made in the Annapolis area in the same period.

The Lequille River, known variously throughout its chequered history as the Dauphin River, Mill River, Allain's or Allen's River, supplies water through 1,530 feet of 7' diameter penstock to drive the station's 15,000-horsepower turbine.

The few horsepower extracted by Poutrincourt's mill from the Lequille River in the early seventeenth century was used to grind grain for the small settlement of Port Royal, three hundred and sixty years later, Nova Scotia Light and Power Company's "mill" on North America's oldest working river feeds electrical energy to a transmission grid which supplies power to a flour mill on the Halifax waterfront.

A1 MT 51  
S22



# electric power in canada



map supplement  
quebec



CHART 51  
500



TRANSMISSION  
AND  
GENERATING FACILITIES

---

Quebec

INLAND WATERS BRANCH  
DEPARTMENT OF ENERGY, MINES AND RESOURCES

©  
QUEEN'S PRINTER FOR CANADA  
OTTAWA, 1969  
Cat. No. M23-108/1968-2

**HYDRO**

**HYDRO**

| No. | Development | River | Owner | Year<br>Installed |                | Rated<br>Head<br>ft. | No.<br>of<br>Units | Turbines                |                          | Generators              |                          |
|-----|-------------|-------|-------|-------------------|----------------|----------------------|--------------------|-------------------------|--------------------------|-------------------------|--------------------------|
|     |             |       |       | First<br>Unit     | Latest<br>Unit |                      |                    | Unit<br>Capacity<br>hp. | Total<br>Capacity<br>hp. | Unit<br>Capacity<br>kw. | Total<br>Capacity<br>kw. |

**Quebec**

|    |                           |              |       |      |      |     |    |         |           |         |           |
|----|---------------------------|--------------|-------|------|------|-----|----|---------|-----------|---------|-----------|
| 1  | Beauharnois:<br>Section 1 | St. Lawrence | QHEC  | 1932 | 1948 | 80  | 8  | 53,000  |           | 37,300  |           |
|    | Section 2                 |              |       | 1950 | 1953 | 80  | 3  | 55,000  |           | 40,000  |           |
|    |                           |              |       |      |      |     | 3  | 56,000  |           | 41,120  |           |
|    |                           |              |       |      |      |     | 6  | 56,000  |           | 40,000  |           |
|    | Section 3                 |              |       | 1959 | 1961 | 80  | 10 | 73,700  | 2,148,000 | 55,250  | 1,574,260 |
| 2  | Manic 2                   | Manicouagan  | QHEC  | 1965 | 1967 | 230 | 8  | 170,000 | 1,360,000 | 126,900 | 1,015,200 |
| 3  | Bersimis I                | Betsiamites  | QHEC  | 1956 | 1959 | 785 | 8  | 150,000 | 1,200,000 | 114,000 | 912,000   |
| 4  | Chute des Passes          | Peribonka    | ALCAN | 1959 | 1960 | 540 | 5  | 200,000 | 1,000,000 | 148,500 | 742,500   |
| 5  | Shipshaw                  | Saguenay     | ALCAN | 1942 | 1943 | 208 | 2  | 95,000  |           | 58,500  |           |
|    |                           |              |       |      |      |     | 6  | 103,000 |           | 60,000  |           |
|    |                           |              |       |      |      |     | 2  | 101,000 |           | 60,000  |           |
|    |                           |              |       |      |      |     | 2  | 95,000  | 1,200,000 | 60,000  | 717,000   |
| 6  | Bersimis II               | Betsiamites  | QHEC  | 1959 | 1960 | 380 | 5  | 180,000 | 900,000   | 131,000 | 655,000   |
| 7  | Carillon                  | Ottawa       | QHEC  | 1962 | 1964 | 61  | 14 | 60,000  | 840,000   | 46,750  | 654,500   |
| 8  | Isle Maligne              | Saguenay     | SAPC  | 1925 | 1937 | 110 | 12 | 45,000  | 540,000   | 28,000  | 336,000   |
| 9  | McCormick Dam             | Manicouagan  | MP    | 1951 | 1965 | 124 | 2  | 56,200  |           | 35,625  |           |
|    |                           |              |       |      |      |     | 3  | 60,000  |           | 40,000  |           |
|    |                           |              |       |      |      |     | 2  | 80,000  | 452,400   | 56,250  | 303,750   |
| 10 | Trenche                   | St. Maurice  | QHEC  | 1950 | 1955 | 160 | 6  | 65,000  | 390,000   | 47,700  | 286,200   |
| 11 | Beaumont                  | St. Maurice  | QHEC  | 1958 | 1959 | 124 | 6  | 55,000  | 330,000   | 40,500  | 243,000   |
| 12 | La Tuque                  | St. Maurice  | QHEC  | 1940 | 1955 | 114 | 5  | 44,500  |           | 36,000  |           |
|    |                           |              |       |      |      |     | 1  | 49,000  | 271,500   | 36,000  | 216,000   |
| 13 | Paugan                    | Gatineau     | QHEC  | 1928 | 1956 | 133 | 1  | 47,000  |           | 32,400  |           |
|    |                           |              |       |      |      | 132 | 7  | 34,000  | 285,000   | 24,225  | 201,975   |
| 14 | Chute-à-la-Savane         | Peribonka    | ALCAN | 1953 | 1953 | 110 | 5  | 57,000  | 285,000   | 37,450  | 187,250   |
| 15 | Chute-du-Diable           | Peribonka    | ALCAN | 1952 | 1952 | 110 | 5  | 55,000  | 275,000   | 37,450  | 187,250   |
| 16 | Manic 1                   | Manicouagan  | QHEC  | 1966 | 1967 | 120 | 3  | 80,000  | 240,000   | 61,470  | 184,410   |
| 17 | Rapide Blanc              | St. Maurice  | QHEC  | 1934 | 1955 | 108 | 1  | 44,500  |           | 30,600  |           |
|    |                           |              |       |      |      |     | 5  | 40,000  | 244,500   | 30,600  | 183,600   |
| 18 | Chute à Caron             | Saguenay     | ALCAN | 1931 | 1934 | 160 | 4  | 75,000  | 300,000   | 45,000  | 180,000   |
| 19 | Shawinigan No. 2          | St. Maurice  | QHEC  | 1911 | 1929 | 145 | 3  | 43,000  |           | 30,000  |           |
|    |                           |              |       |      |      |     | 3  | 18,500  |           | 15,000  |           |
|    |                           |              |       |      |      |     | 2  | 18,500  | 221,500   | 14,000  | 163,000   |
| 20 | Cedars                    | St. Lawrence | QHEC  | 1914 | 1924 | 35  | 18 | 12,650  | 227,700   | 9,000   | 162,000   |

**HYDRO**

| No.                    | Development      | River                 | Owner | Year Installed |             | Rated Head ft. | No. of Units | Turbines          |                    | Generators        |                    |
|------------------------|------------------|-----------------------|-------|----------------|-------------|----------------|--------------|-------------------|--------------------|-------------------|--------------------|
|                        |                  |                       |       | First Unit     | Latest Unit |                |              | Unit Capacity hp. | Total Capacity hp. | Unit Capacity kw. | Total Capacity kw. |
| <b>QUEBEC (Cont'd)</b> |                  |                       |       |                |             |                |              |                   |                    |                   |                    |
| 21                     | Shawinigan No. 3 | St. Maurice           | QHEC  | 1948           | 1949        | 145            | 3            | 65,000            | 195,000            | 50,000            | 150,000            |
| 22                     | Grand'Mère       | St. Maurice           | QHEC  | 1915           | 1930        | 80             | 5            | 22,000            |                    | 15,725            |                    |
|                        |                  |                       |       |                |             | 1              |              | 22,000            |                    | 18,000            |                    |
|                        |                  |                       |       |                |             | 1              |              | 24,500            |                    | 20,000            |                    |
|                        |                  |                       |       |                |             | 84             | 2            | 22,000            | 200,500            | 15,725            | 148,075            |
| 23                     | Chelsea          | Gatineau              | QHEC  | 1927           | 1939        | 100            | 5            | 34,000            | 170,000            | 28,800            | 144,000            |
| 24                     | La Gabelle       | St. Maurice           | QHEC  | 1924           | 1931        | 60             | 3            | 36,000            |                    | 24,750            |                    |
|                        |                  |                       |       |                |             | 2              |              | 32,000            | 172,000            | 24,750            | 123,750            |
| 25                     | Rapide-des-Îles  | Ottawa (Upper)        | QHEC  | 1966           | 1967        | 86             | 3            | 50,000            | 150,000            | 36,630            | 109,890            |
| 26                     | Farmers Rapids   | Gatineau              | QHEC  | 1927           | 1947        | 66             | 3            | 24,000            |                    | 20,000            |                    |
|                        |                  |                       |       |                |             | 2              |              | 24,000            | 120,000            | 19,125            | 98,250             |
| 27                     | Masson           | Lièvre                | MQPC  | 1933           | 1933        | 185            | 4            | 34,000            | 136,000            | 23,800            | 95,200             |
| 28                     | Quinze Rapids    | Ottawa (Upper)        | QHEC  | 1923           | 1955        | 90             | 2            | 10,000            |                    | 8,000             |                    |
|                        |                  |                       |       |                |             | 2              |              | 10,000            |                    | 10,800            |                    |
|                        |                  |                       |       |                |             | 2              |              | 34,500            | 109,000            | 26,000            | 89,600             |
| 29                     | Chat Falls       | Ottawa                | OVPC  | 1932           | 1932        | 53             | 4            | 29,940            | 119,760            | 22,325            | 89,300             |
| 30                     | High Falls       | Lièvre                | MQPC  | 1930           | 1936        | 180            | 1            | 32,500            |                    | 21,250            |                    |
|                        |                  |                       |       |                |             | 3              |              | 30,000            | 122,500            | 21,250            | 85,000             |
| 31                     | Rapid VII        | Ottawa (Upper)        | QHEC  | 1941           | 1949        | 68             | 4            | 16,000            | 64,000             | 14,250            | 57,000             |
| 32                     | Bryson           | Ottawa                | QHEC  | 1925           | 1949        | 60             | 2            | 25,700            |                    | 18,000            |                    |
|                        |                  |                       |       |                |             | 1              |              | 27,000            | 78,400             | 20,000            | 56,000             |
| 33                     | Murdock Willson  | Shipshaw              | PCL   | 1957           | -           | 263            | 1            | 82,000            | 82,000             | 51,000            | 51,000             |
| 34                     | Jim Gray         | Shipshaw              | PCL   | 1953           | 1953        | 338            | 2            | 35,000            | 70,000             | 25,500            | 51,000             |
| 35                     | Outardes Falls   | Outardes              | QNSPC | 1937           | 1937        | 208            | 2            | 36,300            | 72,600             | 25,000            | 50,000             |
| 36                     | Fifty Foot Falls | Hart Jaune            | HJP   | 1960           | 1960        | 123            | 3            | 22,000            | 66,000             | 16,150            | 48,450             |
| 37                     | Rapid II         | Ottawa (Upper)        | QHEC  | 1954           | 1964        | 67             | 4            | 16,000            | 64,000             | 12,000            | 48,000             |
| 38                     | Montreal Island  | Prairies              | QHEC  | 1929           | 1930        | 26             | 3            | 8,800             |                    | 7,500             |                    |
|                        |                  |                       |       |                |             | 3              |              | 12,000            | 62,400             | 7,500             | 45,000             |
| 39                     | Dufferin Falls   | Lièvre                | JMC   | 1958           | 1959        | 62             | 2            | 25,000            | 50,000             | 19,125            | 38,250             |
| 40                     | Chicoutimi       | Chicoutimi            | SMPC  | 1957           | -           | 273            | 1            | 42,000            | 42,000             | 32,000            | 32,000             |
| 41                     | Première Chutes  | Ottawa (Upper)        | QHEC  | 1968           | -           | 1              |              | 40,000            | 40,000             | 31,000            | 31,000             |
| 42                     | Hemming Falls    | St. François          | QHEC  | 1925           | 1925        | 48             | 6            | 5,600             | 33,600             | 4,800             | 28,800             |
| 43                     | Hull 2           | Ottawa                | QHEC  | 1920           | 1968        | 32             | 3            | 7,500             |                    | 5,760             |                    |
|                        |                  |                       |       |                |             | 1              |              | 13,400            | 35,900             | 10,000            | 27,280             |
| 44                     | Seven Falls      | St. Anne (de Beaupré) | QHEC  | 1916           | 1916        | 410            | 4            | 6,000             | 24,000             | 4,680             | 18,720             |
| 45                     | Ste. Marguerite  | Marguerite            | GPC   | 1954           | 1954        | 100            | 2            | 12,000            | 24,000             | 8,800             | 17,600             |

# HYDRO

| No.                     | Development       | River                  | Owner | Year Installed |             | Rated Head ft. | No. of Units | Turbines          |                    | Generators        |                    |
|-------------------------|-------------------|------------------------|-------|----------------|-------------|----------------|--------------|-------------------|--------------------|-------------------|--------------------|
|                         |                   |                        |       | First Unit     | Latest Unit |                |              | Unit Capacity hp. | Total Capacity hp. | Unit Capacity kw. | Total Capacity kw. |
| <b>QUEBEC (Cont'd).</b> |                   |                        |       |                |             |                |              |                   |                    |                   |                    |
| 46                      | Kipawa            | Gordon Creek           | QHEC  | 1920           | 1926        | 200            | 2            | 3,600             |                    | 2,800             |                    |
|                         |                   |                        |       |                |             |                | 1            | 8,500             |                    | 5,760             |                    |
|                         |                   |                        |       |                |             |                | 1            | 9,350             | 25,050             | 5,760             | 17,120             |
| 47                      | St. Narcisse      | Batiscan               | QHEC  | 1926           | 1926        | 147            | 2            | 11,100            | 22,200             | 7,500             | 15,000             |
| 48                      | Drummondville     | St. François           | QHEC  | 1910           | 1925        | 27             | 2            | 3,200             |                    | 2,500             |                    |
|                         |                   |                        |       |                |             |                | 2            | 6,000             | 18,400             | 4,800             | 14,600             |
| 49                      | Chutes aux Galets | Shipshaw               | PCL   | 1921           | 1921        | 101            | 2            | 8,820             | 17,640             | 6,800             | 13,600             |
| 50                      | Chaudière Falls   | Ottawa                 | EBEC  | 1913           | 1955        | 38             | 3            | 5,500             | 16,500             | 3,750             | 11,250             |
| 51                      | Chicoutimi        | Chicoutimi             | PCL   | 1923           | -           | 72             | 1            | 11,000            | 11,000             | 9,900             | 9,900              |
| 52                      | W.R. Beatty       | Black                  | PELC  | 1917           | 1951        | 129            | 1            | 1,800             |                    | 1,250             |                    |
|                         |                   |                        |       |                |             |                | 1            | 2,250             |                    | 1,530             |                    |
|                         |                   |                        |       |                |             |                | 1            | 2,500             |                    | 1,800             |                    |
|                         |                   |                        |       |                |             |                | 2            | 3,000             | 12,550             | 2,250             | 9,080              |
| 53                      | Buckingham        | Lièvre                 | ERC   | 1914           | 1939        | 30             | 1            | 2,000             |                    | 1,375             |                    |
|                         |                   |                        |       |                |             |                | 1            | 2,500             |                    | 1,836             |                    |
|                         |                   |                        |       |                |             |                | 3            | 2,000             | 10,500             | 1,440             | 7,531              |
| 54                      | Price             | Mitis                  | QHEC  | 1922           | 1929        | 120            | 1            | 3,700             |                    | 2,400             |                    |
|                         |                   |                        |       |                |             |                | 1            | 5,900             | 9,600              | 4,000             | 6,400              |
| 55                      | Adam Cunningham   | Shipshaw               | PCL   | 1953           | -           | 56             | 1            | 9,500             | 9,500              | 6,375             | 6,375              |
| 56                      | Arnaud Bridge     | Chicoutimi             | QHEC  | 1912           | 1917        | 56             | 1            | 2,500             |                    | 1,700             |                    |
|                         |                   |                        |       |                |             |                | 2            | 2,500             | 7,500              | 1,875             | 5,450              |
| 57                      | Bell Falls        | Rouge                  | QHEC  | 1915           | 1920        | 54             | 3            | 2,400             | 7,200              | 1,600             | 4,800              |
| 58                      | Kenogami          | Au Sable               | PCL   | 1912           | 1912        | 264            | 2            | 3,350             | 6,700              | 2,345             | 4,690              |
| 59                      | Grand Mitis No. 2 | Mitis                  | QHEC  | 1947           | -           | 75             | 1            | 6,000             | 6,000              | 4,250             | 4,250              |
| 60                      | Jonquière No. 1   | Au Sable               | MJ    | 1907           | 1924        | 42             | 1            | 1,800             |                    | 1,280             |                    |
|                         |                   |                        |       |                |             | 47             | 1            | 4,030             | 5,830              | 2,812             | 4,092              |
| 61                      | Westbury          | St. François           | CS    | 1928           | 1928        | 28             | 2            | 2,900             | 5,800              | 2,000             | 4,000              |
| 62                      | Chaudière         | Chaudière              | QHEC  | 1903           | 1904        | 114            | 2            | 1,400             |                    | 1,000             |                    |
|                         |                   |                        |       |                |             |                | 1            | 2,000             | 4,800              | 1,500             | 3,500              |
| 63                      | Lachute Mills     | North                  | AL    | 1929           | 1929        | 36             | 3            | 1,500             | 4,500              | 1,080             | 3,240              |
| 64                      | Windsor Mills     | St. François           | DPP   | 1936           | 1939        | 19             | 2            | 1,500             |                    | 1,120             |                    |
|                         |                   |                        |       |                |             |                | 1            | 800               |                    | 600               |                    |
|                         |                   |                        |       |                |             |                | 1            | 430               | 4,230              | 320               | 3,160              |
| 65                      | Weedon            | St. Francois           | CS    | 1920           | 1926        | 30             | 2            | 1,700             |                    | 1,040             |                    |
|                         |                   |                        |       |                |             | 29             | 1            | 1,700             | 5,100              | 1,040             | 3,120              |
| 66                      | St. Alban         | Ste. Anne de la Pérade | QHEC  | 1927           | -           | 64             | 1            | 4,000             | 4,000              | 3,000             | 3,000              |

**HYDRO**

| No.                                                                   | Development         | River                      | Owner | Year<br>Installed |                | Rated<br>Head<br>ft. | No.<br>of<br>Units | Turbines                |                          | Generators              |                          |
|-----------------------------------------------------------------------|---------------------|----------------------------|-------|-------------------|----------------|----------------------|--------------------|-------------------------|--------------------------|-------------------------|--------------------------|
|                                                                       |                     |                            |       | First<br>Unit     | Latest<br>Unit |                      |                    | Unit<br>Capacity<br>hp. | Total<br>Capacity<br>hp. | Unit<br>Capacity<br>kw. | Total<br>Capacity<br>kw. |
| <b>QUEBEC (Cont'd)</b>                                                |                     |                            |       |                   |                |                      |                    |                         |                          |                         |                          |
| 67                                                                    | Ogilvie Flour Mills | Lachine Canal              | OFM   | 1940              | 1948           | 23<br>15             | 2<br>2             | 1,600<br>400            | 4,000                    | 1,200<br>300            | 3,000                    |
| 68                                                                    | St. Raphael         | Sud                        | QHEC  | 1921              | 1921           | 232                  | 3                  | 1,500                   | 4,500                    | 850                     | 2,550                    |
| 69                                                                    | Domtar              | Jacques Cartier            | DPP   | 1960              | 1962           | 60                   | 2                  | 1,200                   | 2,400                    | 1,200                   | 2,400                    |
| 70                                                                    | MacDougall          | Jacques Cartier            | DPP   | 1925              | 1927           | 55                   | 2                  | 1,900                   | 3,800                    | 1,200                   | 2,400                    |
| 71                                                                    | Jonqui  re          | Au Sable                   | PCL   | 1916              | 1916           | 67<br>1              | 1<br>1             | 1,800<br>1,625          | 3,425                    | 1,200<br>1,200          | 2,400                    |
| 72                                                                    | Winneway            | Winneway<br>(Upper Ottawa) | LMC   | 1938              | 1943           | 54                   | 2                  | 1,400                   | 2,800                    | 1,169                   | 2,338                    |
| 73                                                                    | Mont Laurier        | Li  vre                    | QHEC  | 1937              | 1951           | 22<br>1              | 1<br>2             | 500<br>1,325            | 3,150                    | 500<br>900              | 2,300                    |
| 74                                                                    | Sherbrooke          | Magog                      | QHEC  | 1910              | 1910           | 55                   | 3                  | 1,333                   | 4,000                    | 752                     | 2,256                    |
| 75                                                                    | Garneau             | Chicoutimi                 | QHEC  | 1925              | -              | 33                   | 1                  | 3,450                   | 3,450                    | 2,240                   | 2,240                    |
| 76                                                                    | Magog               | Magog                      | DTC   | 1920              | 1920           | 25                   | 2                  | 1,500                   | 3,000                    | 1,000                   | 2,000                    |
| 77                                                                    | Corbeau             | Gatineau                   | QHEC  | 1926              | 1926           | 16                   | 2                  | 1,250                   | 2,500                    | 1,000                   | 2,000                    |
| 78                                                                    | Bird's              | Jacques Cartier            | DPP   | 1937              | -              | 27                   | 1                  | 2,250                   | 2,250                    | 1,920                   | 1,920                    |
| 79                                                                    | Rock Forest         | Magog                      | CS    | 1911              | 1911           | 30                   | 2                  | 1,500                   | 3,000                    | 940                     | 1,880                    |
| 80                                                                    | Riviere-du-Loup     | Du Loup                    | CRL   | 1929              | 1942           | 100<br>1             | 1<br>1             | 960<br>1,900            | 2,860                    | 640<br>1,200            | 1,840                    |
| 81                                                                    | East Angus Mill     | St. Fran  ois              | DPP   | 1910              | 1910           | 33<br>20             | 1<br>1             | 1,090<br>1,090<br>252   | 2,432                    | 846<br>990<br>-         | 1,836                    |
| 82                                                                    | Magpie              | Magpie                     | QHEC  | 1961              | 1961           | 31                   | 2                  | 1,500                   | 3,000                    | 900                     | 1,800                    |
| 83                                                                    | Rawdon              | Ouareau                    | QHEC  | 1928              | -              | 46                   | 1                  | 2,300                   | 2,300                    | 1,720                   | 1,720                    |
| 84                                                                    | Frontenac           | Magog                      | CS    | 1917              | 1917           | 38                   | 2                  | 1,450                   | 2,900                    | 800                     | 1,600                    |
| 85                                                                    | Burroughs Falls     | Nigger                     | QHEC  | 1929              | -              | 180                  | 1                  | 2,000                   | 2,000                    | 1,600                   | 1,600                    |
| Total capacity of plants under 1,500 kw.                              |                     |                            |       |                   |                |                      |                    |                         | 25,360                   | 16,548                  |                          |
| Total capacity of turbines connected directly to mechanical equipment |                     |                            |       |                   |                |                      |                    |                         | 59,365                   |                         |                          |
| Total (all plants)                                                    |                     |                            |       |                   |                |                      |                    |                         | 15,371,352               | 11,048,846              |                          |



**THERMAL**

# THERMAL

| No. | Station                      | Location             | Owner | Year<br>Installed |                | Fuel                  | Type<br>of<br>Prime<br>Mover | Generators |                         |                          |
|-----|------------------------------|----------------------|-------|-------------------|----------------|-----------------------|------------------------------|------------|-------------------------|--------------------------|
|     |                              |                      |       | First<br>Unit     | Latest<br>Unit |                       |                              | No.        | Unit<br>Capacity<br>kw. | Total<br>Capacity<br>kw. |
| 1   | Tracy                        | Tracy                | QHEC  | 1964              | 1968           | Oil                   | S                            | 4          | 150,000                 | 600,000                  |
| 2   | Les Boules                   | Les Boules           | QHEC  | 1955              | 1960           | Oil                   | GT                           | 6          | 6,000                   | 36,000                   |
| 3   | Kenogami Mill                | Kenogami             | PC    | 1967              | -              | Oil                   | S                            | 1          | 14,750                  | 14,750                   |
| 4   | Chandler                     | Chandler             | GPP   | 1930              | 1954           | Oil                   | S                            | 1          | 6,000                   |                          |
|     |                              |                      |       |                   |                |                       |                              | 1          | 2,500                   |                          |
|     |                              |                      |       |                   |                |                       |                              | 1          | 4,000                   | 12,500                   |
| 5   | Noranda                      | Noranda              | NM    | 1934              | 1957           | Waste heat            | S                            | 1          | 2,600                   |                          |
|     |                              |                      |       |                   |                |                       |                              | 1          | 3,000                   |                          |
|     |                              |                      |       |                   |                |                       |                              | 1          | 4,500                   | 10,100                   |
| 6   | Drummondville                | Drummondville        | CCL   | 1935              | 1953           | Coal, oil             | S                            | 1          | 1,500                   |                          |
|     |                              |                      |       |                   |                |                       |                              | 1          | 2,500                   |                          |
|     |                              |                      |       |                   |                |                       |                              | 1          | 3,500                   |                          |
|     |                              |                      |       |                   |                |                       |                              | 1          | 2,000                   | 9,500                    |
| 7   | Cap aux Meules               | Îles-de-la-Madeleine | QHEC  | 1953              | 1964           | Oil                   | IC                           | 1          | 1,065                   |                          |
|     |                              |                      |       |                   |                |                       |                              | 3          | 1,000                   |                          |
|     |                              |                      |       |                   |                |                       |                              | 1          | 1,200                   |                          |
|     |                              |                      |       |                   |                |                       |                              | 2          | 2,200                   | 9,665                    |
| 8   | Murdochville                 | Murdochville         | GCM   | 1952              | 1955           | Oil, waste heat       | S                            | 1          | 5,400                   |                          |
|     |                              |                      |       |                   |                |                       | IC                           | 2          | 1,000                   |                          |
|     |                              |                      |       |                   |                |                       |                              | 1          | 300                     | 7,700                    |
| 9   | Thurso                       | Thurso               | TPPC  | 1957              | -              | Coal, oil, wood-waste | S                            | 1          | 7,500                   | 7,500                    |
| 10  | Quebec City                  | Quebec City          | ACPP  | 1927              | -              | Oil                   | S                            | 1          | 6,000                   | 6,000                    |
| 11  | Magog                        | Magog                | DTC   | 1938              | 1948           | Coal                  | S                            | 2          | 2,000                   | 4,000                    |
| 12  | Montreal                     | Montreal             | CDSC  | 1925              | 1947           | Gas, oil              | S                            | 2          | 1,000                   |                          |
|     |                              |                      |       |                   |                |                       |                              | 1          | 1,500                   | 3,500                    |
| 13  | Gatineau                     | Gatineau             | CIPC  | 1927              | 1960           | Oil, wood-waste       | S                            | 4          | 750                     | 3,000                    |
| 14  | Schefferville                | Schefferville        | IOCC  | 1956              | 1956           | Oil                   | IC                           | 3          | 1,000                   | 3,000                    |
| 15  | Three Rivers                 | Three Rivers         | CIPC  | 1922              | 1925           | Oil, wood-waste       | S                            | 6          | 500                     | 3,000                    |
| 16  | Havre St. Pierre             | Havre St. Pierre     | REC   | 1950              | 1963           | Oil                   | IC                           | 1          | 1,000                   |                          |
|     |                              |                      |       |                   |                |                       |                              | 1          | 500                     |                          |
|     |                              |                      |       |                   |                |                       |                              | 3          | 300                     |                          |
|     |                              |                      |       |                   |                |                       |                              |            |                         | 2,400                    |
| 17  | Port and Terminal (Stand-by) | Port Cartier         | QCMC  | 1960              | 1960           | Oil                   | IC                           | 2          | 1,000                   | 2,000                    |

GT - Gas Turbine, IC - Internal Combustion, S - Steam

# THERMAL

| No.                                                            | Station                    | Location         | Owner | Year<br>Installed |                | Fuel | Type<br>of<br>Prime<br>Mover | Generators |                         |                          |
|----------------------------------------------------------------|----------------------------|------------------|-------|-------------------|----------------|------|------------------------------|------------|-------------------------|--------------------------|
|                                                                |                            |                  |       | First<br>Unit     | Latest<br>Unit |      |                              | No.        | Unit<br>Capacity<br>kw. | Total<br>Capacity<br>kw. |
| <b>QUEBEC (Cont'd)</b>                                         |                            |                  |       |                   |                |      |                              |            |                         |                          |
| 18                                                             | Lac Jeannine<br>(Stand-by) | Gagnon           | QCMC  | 1960              | 1960           | Oil  | IC                           | 2          | 1,000                   | 2,000                    |
| 19                                                             | Havre St. Pierre           | Havre St. Pierre | QHEC  | 1967              | -              | Oil  | IC                           | 2          | 1,000                   | 2,000                    |
| 20                                                             | Desmaraismville            | Desmaraismville  | CM    | 1960              | 1964           |      |                              | 13<br>1    | 136<br>152              | 1,920                    |
| 21                                                             | Rivière-du-Loup            | Rivière-du-Loup  | CRL   | 1947              | 1953           | Oil  | IC                           | 2<br>1     | 240<br>1,360            | 1,840                    |
| 22                                                             | Blanc Sablon               | Blanc Sablon     | QHEC  | 1965              | 1967           | Oil  | IC                           | 2<br>1     | 600<br>350              | 1,550                    |
| Total capacity of plants 1,500 kw. and over (not listed above) |                            |                  |       |                   |                |      |                              |            |                         | 7,250                    |
| Total capacity of plants under 1,500 kw.                       |                            |                  |       |                   |                |      |                              |            |                         | 13,425                   |
| Total (all plants)                                             |                            |                  |       |                   |                |      |                              |            |                         | 764,600                  |

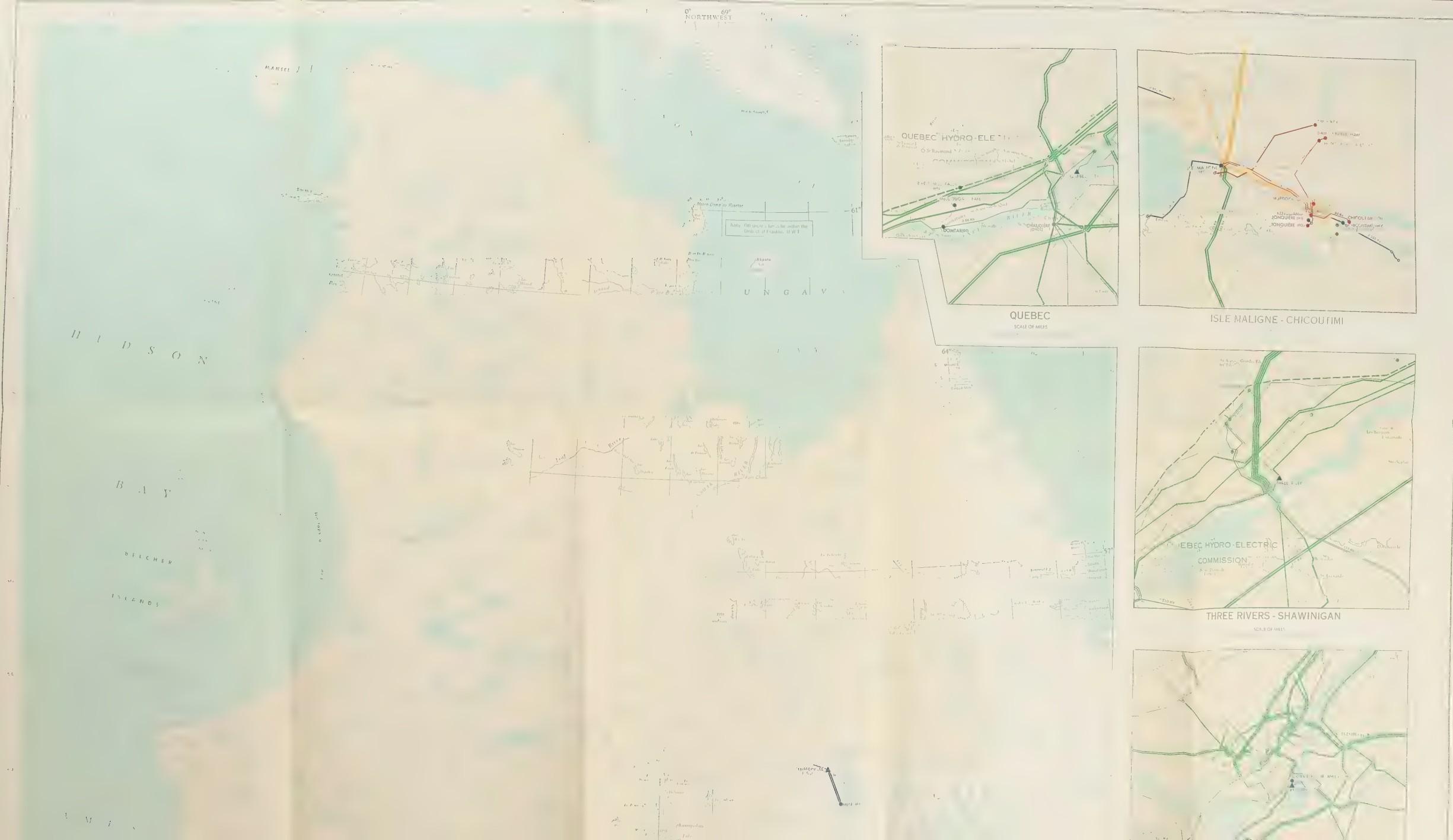
IC - Internal Combustion



## OWNER CODE INDEX

| CODE       | OWNER                                       |
|------------|---------------------------------------------|
| ACPP.....  | Anglo-Canadian Pulp and Paper Mills Limited |
| AL.....    | Ayers Limited                               |
| ALCAN..... | Aluminum Company of Canada Limited          |
| CCL.....   | Canadian Celanese Limited                   |
| CDSC.....  | Canada and Dominion Sugar Company Limited   |
| CIIPC..... | Canadian International Paper Company        |
| CM.....    | Coniagas Mines Limited                      |
| CRL.....   | City of Rivière-du-Loup                     |
| CS.....    | City of Sherbrooke                          |
| DP.....    | Donnacona Paper Company                     |
| DPP.....   | Domtar Pulp and Paper Company Limited       |
| EBEC.....  | E. B. Eddy Company                          |
| ERC.....   | Electric Reduction Company                  |
| GCM.....   | Gaspé Copper Mines Limited                  |
| GPC.....   | Gulf Power Company                          |
| GPP.....   | Gaspesia Pulp and Paper Company Limited     |
| HJP.....   | Hart Jaune Power Company                    |
| IOCC.....  | Iron Ore Company of Canada                  |
| JMC.....   | James MacLaren Company Limited              |
| LMC.....   | Lorraine Mining Company Limited             |
| MJ.....    | Municipality of Jonquière                   |
| MP.....    | Manicouagan Power Company                   |
| MQPC.....  | MacLaren-Québec Power Company               |
| NM.....    | Noranda Mines Limited                       |
| OFM.....   | Ogilvie Flour Mills                         |
| OVPC.....  | Ottawa Valley Power Company                 |
| PCL.....   | Price Company Limited                       |
| PELC.....  | Pembroke Electric Light Company Limited     |
| QCMC.....  | Québec Cartier Mining Company               |
| QHEC.....  | Québec Hydro-Electric Commission            |
| QNSPC..... | Québec-North Shore Paper Company            |
| REC.....   | Romaine Electric Company Limited            |
| SAPC.....  | Saguenay Power Company                      |
| SMPC.....  | Smelter Power Corporation                   |
| TPPC.....  | Thurso Pulp and Paper Company               |







MONTREAL  
SCALE OF MILES

LABRADOR





Inland Waters Branch

DEPARTMENT OF ENERGY, MINES AND RESOURCES  
OTTAWA, CANADA

Commenced in 1967 and completed in 1968, the 11,200-kilowatt Lequille hydro-electric station, housed in a replica of an old French grist mill, is the Centennial project of Nova Scotia Light and Power Company.

The station stands on a site close to what is believed to be the exact location of America's first grist mill, built near Port Royal by the French baron and mill-owner, Poutrincourt, in 1607. Poutrincourt's mill has been described as the first engineering achievement in the new world. Close by, Canada's first wheat was planted and harvested.

The mill which houses the hydro plant is not an exact replica of Poutrincourt's mill, as the records left by Champlain and Lescarbot, contemporaries of Poutrincourt, fail to disclose any of the structural details. The present building is, however, an authentic replica of a typical French grist mill of the period 1550 to 1750, the "Baroque" period, in Europe. It is roofed with hand-split cedar shingles similar to those used in the early 1600's. The sides are faced with old brick of a type made in the Annapolis area in the same period.

The Lequille River, known variously throughout its chequered history as the Dauphin River, Mill River, Allain's or Allen's River, supplies water through 1,530 feet of 7' diameter penstock to drive the station's 15,000-horsepower turbine.

The few horsepower extracted by Poutrincourt's mill from the Lequille River in the early seventeenth century was used to grind grain for the small settlement of Port Royal; three hundred and sixty years later, Nova Scotia Light and Power Company's "mill" on North America's oldest working river feeds electrical energy to a transmission grid which supplies power to a flour mill on the Halifax waterfront.

Dept. of Energy, New

# ATLANTIC PROVINCES

Chesapeake Bay Bridge-Tunnel

MT 51

S22



## electric power in canada map supplement



1969



TRANSMISSION  
AND  
GENERATING FACILITIES

---

Atlantic Provinces

ENERGY DEVELOPMENT SECTOR  
DEPARTMENT OF ENERGY, MINES AND RESOURCES

## INDEX OF FUELS FOR THERMAL DEVELOPMENTS

---

|                 |   |
|-----------------|---|
| Gas             | a |
| Oil             | b |
| Wood Waste      | c |
| Coal            | d |
| Coke            | e |
| Waste Heat      | f |
| Coke Oven Gas   | g |
| Uranium Dioxide | h |
| Grain Refuse    | i |
| Flare Gas       | j |

---

# New Brunswick

## HYDRO

| No.                                                                   | Development | River      | Owner | Year Installed |             | Rated Head ft. | No. of Units | Turbines          |                    | Generators        |                    |
|-----------------------------------------------------------------------|-------------|------------|-------|----------------|-------------|----------------|--------------|-------------------|--------------------|-------------------|--------------------|
|                                                                       |             |            |       | First Unit     | Latest Unit |                |              | Unit Capacity hp. | Total Capacity hp. | Unit Capacity kw. | Total Capacity kw. |
| 1                                                                     | Mactaquac   | Saint John | NBEPC | 1968           | 1968        |                | 3            | 140,000           | 420,000            | 100,000           | 300,000            |
| 2                                                                     | Beechwood   | Saint John | NBEPC | 1957           | 1962        | 57             | 2            | 45,000            | 36,000             |                   |                    |
|                                                                       |             |            |       |                |             |                | 1            | 55,000            | 145,000            | 40,500            | 112,500            |
| 3                                                                     | Grand Falls | Saint John | NBEPC | 1928           | 1931        | 125            | 4            | 20,000            | 80,000             | 15,750            | 63,000             |
| 4                                                                     | Tinker      | Aroostook  | MNBP  | 1906           | 1965        | 85             | 2            | 2,000             |                    | 1,500             |                    |
|                                                                       |             |            |       |                |             |                | 2            | 5,000             | 47,000             | 3,520             |                    |
|                                                                       |             |            |       |                |             |                | 1            | 33,000            |                    | 20,800            | 30,840             |
| 5                                                                     | Tobique     | Tobique    | NBEPC | 1953           | 1953        | 75             | 2            | 13,500            | 27,000             | 10,000            | 20,000             |
| 6                                                                     | Great Falls | Nepisiguit | CB    | 1921           | 1930        | 108            | 2            | 5,000             |                    | 3,600             |                    |
|                                                                       |             |            |       |                |             | 110            | 1            | 5,500             | 15,500             | 3,600             | 10,800             |
| 7                                                                     | Sisson      | Tobique    | NBEPC | 1965           | 1965        | 135            | 1            | 12,500            | 12,500             | 10,000            | 10,000             |
| 8                                                                     | Musquash    | Musquash   | NBEPC | 1920           | 1920        | 99.5           | 2            | 3,670             |                    | 2,320             |                    |
|                                                                       |             |            |       |                |             | 124.5          | 1            | 3,760             | 11,100             | 2,320             |                    |
|                                                                       |             |            |       |                |             |                |              |                   |                    | 6,960             |                    |
| 9                                                                     | Milltown    | St. Croix  | NBEPC | 1911           | 1967        | 21             | 3            | 1,080             |                    | 770               |                    |
|                                                                       |             |            |       |                |             | 25             | 1            | 500               |                    | 376               |                    |
|                                                                       |             |            |       |                |             | 30             | 1            | 468               |                    | 350               |                    |
|                                                                       |             |            |       |                |             |                | 1            | 500               |                    | 400               |                    |
|                                                                       |             |            |       |                |             |                | 1            | 900               | 5,608              | 700               | 4,136              |
| 10                                                                    | Edmundston  | Madawaska  | FC    | 1918           | 1918        | 21.1           | 2            | 1,000             | 2,000              | 1,000             | 2,000              |
| Total capacity of plants under 1,500 kw.                              |             |            |       |                |             |                |              |                   | 3,025              |                   | 2,500              |
| Total capacity of turbines connected directly to mechanical equipment |             |            |       |                |             |                |              |                   | 5,000              |                   |                    |
| Total (all plants)                                                    |             |            |       |                |             |                |              |                   | 773,733            |                   | 562,736            |

## THERMAL

| No. | Station          | Location        | Owner | Year Installed |             | Fuel | Type of Prime Mover | Generators |                   |                    |
|-----|------------------|-----------------|-------|----------------|-------------|------|---------------------|------------|-------------------|--------------------|
|     |                  |                 |       | First Unit     | Latest Unit |      |                     | No.        | Unit Capacity kw. | Total Capacity kw. |
| 1   | Courtenay Bay    | East Saint John | NBEPC | 1961           | 1967        | b    | S                   | 1          | 50,000            |                    |
|     |                  |                 |       |                |             | 1    |                     | 1          | 13,365            |                    |
|     |                  |                 |       |                |             | 2    |                     | 110,000    |                   | 283,365            |
| 2   | Dalhousie        | Dalhousie       | NBEPC | 1969           |             | b    | S                   | 1          | 100,000           |                    |
|     | Grand Lake No. 2 | Newcastle Creek | NBEPC | 1951           | 1963        | d    | S                   | 2          | 5,000             |                    |
|     |                  |                 |       |                |             | 1    |                     | 1          | 15,000            |                    |
|     |                  |                 |       |                |             | 1    |                     | 1          | 60,000            | 85,000             |
| 3   | Chatham          | Chatham         | NBEPC | 1948           | 1956        | b,d  | S                   | 1          | 12,500            |                    |
|     |                  |                 |       |                |             | 1    |                     | 1          | 20,000            |                    |
|     |                  |                 |       |                |             |      |                     |            |                   | 32,500             |
| 4   | Lancaster        | Lancaster       | IPP   | 1947           | 1960        | b    | S                   | 1          | 2,000             |                    |
|     |                  |                 |       |                |             | 1    |                     | 1          | 10,000            |                    |
|     |                  |                 |       |                |             | 1    |                     | 1          | 12,500            | 24,500             |
| 5   | Bathurst         | Bathurst        | CB    | 1937           | 1958        | b,d  | S                   | 1          | 6,000             |                    |
|     |                  |                 |       |                |             | 1    |                     | 1          | 7,600             |                    |
|     |                  |                 |       |                |             | 1    |                     | 1          | 7,000             | 20,600             |

Gas Turbine  
Internal Combustion  
Steam  
Combustion Turbine

GT  
IC  
S  
CT

# THERMAL

| No. | Station          | Location        | Owner | Year<br>Installed |                | Fuel | Type<br>of<br>Prime<br>Mover | Generators       |                              |                          |
|-----|------------------|-----------------|-------|-------------------|----------------|------|------------------------------|------------------|------------------------------|--------------------------|
|     |                  |                 |       | First<br>Unit     | Latest<br>Unit |      |                              | No.              | Unit<br>Capacity<br>kw.      | Total<br>Capacity<br>kw. |
| 6   | Edmundston       | Edmundston      | FC    | 1949              | 1958           | c,d  | S                            | 1<br>1<br>1      | 3,000<br>3,800<br>12,500     |                          |
| 7   | Dalhousie        | Dalhousie       | NBIPC | 1929              | 1937           | d    | S                            | 1<br>1<br>2<br>2 | 6,000<br>8,000<br>800<br>750 | 19,300                   |
| 8   | Dock Street      | Saint John      | NBEPC | 1929              | 1947           | b,d  | S                            | 1<br>1           | 6,000<br>10,000              | 17,100                   |
| 9   | Newcastle        | Newcastle       | FC    | -                 | 1967           | b    | S                            | 1                | 15,625                       | 15,625                   |
| 10  | Grand Lake No. 1 | Newcastle Creek | NBEPC | 1931              | 1944           | d    | S                            | 1<br>1           | 6,250<br>7,500               | 13,750                   |
| 11  | Atholville       | Atholville      | FC    | 1929              | 1956           | b    | S                            | 3<br>1<br>1      | 1,000<br>2,000<br>5,000      | 10,000                   |
| 12  | Saint John       | Saint John      | ASR   | 1954              | 1962           | b    | S                            | 1<br>1           | 2,500<br>1,000               | 3,500                    |
| 13  | Edmundston       | Edmundston      | ME    | 1947              | 1955           | b    | IC                           | 2<br>1           | 690<br>1,876                 | 3,256                    |
| 14  | Grand Manan      | Grand Manan     | NBEPC | 1957              | 1969           | b    | IC                           | 1                | 890                          |                          |
|     |                  |                 |       |                   |                |      |                              | 2<br>1           | 700<br>503                   | 2,793                    |
| 15  | Campbellton      | Campbellton     | CC    | 1946              | 1953           | b    | IC                           | 1<br>1<br>1      | 240<br>1,136<br>1,360        | 2,736                    |

Total capacity of plants 1,500 kw. and over (not listed above)

Total capacity of plants under 1,500 kw. 2,000

|                    |         |
|--------------------|---------|
| Total (all plants) | 652,025 |
|--------------------|---------|

|                                  |           |
|----------------------------------|-----------|
| Combined Hydro and Thermal Total | 1,214,761 |
|----------------------------------|-----------|

|                     |    |
|---------------------|----|
| Gas Turbine         | GT |
| Internal Combustion | IC |
| Steam               | S  |
| Combustion Turbine  | CT |

# Nova Scotia

## HYDRO

| No. | Development       | River               | Owner | Year Installed |             | Rated Head ft. | No. of Units | Turbines          |                    | Generators        |                    |
|-----|-------------------|---------------------|-------|----------------|-------------|----------------|--------------|-------------------|--------------------|-------------------|--------------------|
|     |                   |                     |       | First Unit     | Latest Unit |                |              | Unit Capacity hp. | Total Capacity hp. | Unit Capacity kw. | Total Capacity kw. |
| 1   | Weymouth Falls    | Sissiboo            | NSPC  | 1960           | 1967        | 122            | 2            | 12,000            | 24,000             | 9,000             | 18,000             |
| 2   | Lequille          | Allain              | NSLPC | 1968           | -           | 388            | 1            | 15,000            | 15,000             | 11,200            | 11,200             |
| 3   | Deep Brook        | Mersey              | NSPC  | 1950           | 1950        | 46             | 2            | 6,400             | 12,800             | 4,500             | 9,000              |
| 4   | Big Falls         | Mersey              | NSPC  | 1929           | 1929        | 58             | 2            | 6,350             | 12,700             | 4,500             | 9,000              |
| 5   | Lower Lake Falls  | Mersey              | NSPC  | 1929           | 1929        | 48.5           | 2            | 5,300             | 10,600             | 3,690             | 7,380              |
| 6   | Cowie Falls       | Mersey              | NSPC  | 1937           | 1937        | 43             | 2            | 5,100             | 10,200             | 3,600             | 7,200              |
| 7   | Ruth Falls        | East, Sheet Harbour | NSPC  | 1927           | 1936        | 110<br>109     | 2<br>1       | 5,145<br>4,300    | 10,590             | 2,000<br>2,970    | 6,970              |
| 8   | Hell's Gate       | Black               | NSLPC | 1930           | 1949        | 185            | 1            | 4,500<br>4,500    | 9,000              | 3,560<br>3,570    | 6,930              |
| 9   | Nictaux           | Nictaux             | NSLPC | 1954           | -           | 382            | 1            | 9,000             | 9,000              | 6,800             | 6,800              |
| 10  | Gulch             | Bear                | NSPC  | 1956           | -           | 225            | 1            | 8,500             | 8,500              | 6,000             | 6,000              |
| 11  | Sissiboo Falls    | Sissiboo            | NSPC  | 1960           | -           | 87             | 1            | 8,000             | 8,000              | 6,000             | 6,000              |
| 12  | Upper Lake Falls  | Mersey              | NSPC  | 1929           | 1929        | 31.5           | 2            | 2,350             | 4,700              | 2,700             | 5,400              |
| 13  | Hollow Bridge     | Black               | NSLPC | 1940           | -           | 148            | 1            | 7,500             | 7,500              | 5,312             | 5,312              |
| 14  | Tidewater         | North East          | NSPC  | 1921           | 1921        | 91.5           | 2            | 3,450             | 6,900              | 2,320             | 4,640              |
| 15  | Lower Great Brook | Mersey              | NSPC  | 1955           | 1955        | 22             | 2            | 3,120             | 6,240              | 2,250             | 4,500              |
| 16  | Ridge             | Bear                | NSPC  | 1957           | -           | 140            | 1            | 5,300             | 5,300              | 4,000             | 4,000              |
| 17  | Dickie Brook      | Dickie Brook        | NSPC  | 1948           | 1948        | 298            | 1            | 1,750<br>1,750    | 3,500              | 1,200<br>2,600    | 3,800              |
| 18  | Avon No. 1        | Avon                | NSLPC | 1958           | -           | 117.5          | 1            | 5,000             | 5,000              | 3,750             | 3,750              |
| 19  | Malay Falls       | East, Sheet Harbour | NSPC  | 1924           | 1954        | 45<br>41       | 2<br>1       | 1,850<br>1,740    | 5,440              | 1,200<br>1,200    | 3,600              |
| 20  | Paradise          | Paradise Brook      | NSLPC | 1950           | -           | 465            | 1            | 5,000             | 5,000              | 3,600             | 3,600              |
| 21  | Methals           | Methals Brook       | NSLPC | 1949           | -           | 45             | 1            | 4,600             | 4,600              | 3,400             | 3,400              |
| 22  | Sandy Lake        | North East          | NSPC  | 1927           | 1927        | 118            | 2            | 2,500             | 5,000              | 1,600             | 3,200              |
| 23  | White Rock        | Gasperaux           | NSLPC | 1952           | -           | 58             | 1            | 4,000             | 4,000              | 3,200             | 3,200              |
| 24  | St. Croix         | St. Croix           | MBPP  | 1934           | -           | 148            | 1            | 4,200             | 4,200              | 3,000             | 3,000              |
| 25  | Avon No. 2        | Avon                | NSLPC | 1929           | -           | 142            | 1            | 3,900             | 3,900              | 3,000             | 3,000              |
| 26  | Lumsden           | Black               | NSLPC | 1942           | -           | 72             | 1            | 4,500             | 4,500              | 2,800             | 2,800              |
| 27  | Mill Lake         | North East          | NSPC  | 1921           | 1921        | 162.5          | 2            | 1,900             | 3,800              | 1,280             | 2,560              |
| 28  | Tusket            | Tusket              | NSPC  | 1929           | 1929        | 18             | 3            | 940               | 2,820              | 720               | 2,160              |
| 29  | Salmon Hole       | St. Croix           | MBPP  | 1938           | -           | 75             | 1            | 2,500             | 2,500              | 2,000             | 2,000              |

Total capacity of plants under 1,500 kw. 6,365 4,358

Total capacity of turbines connected directly to mechanical equipment

|                    |         |         |
|--------------------|---------|---------|
| Total (all plants) | 221,655 | 162,760 |
|--------------------|---------|---------|

# THERMAL

| No. | Station            | Location          | Owner | Year<br>Installed |                | Fuel        | Type<br>of<br>Prime<br>Mover | Generators       |                                      |                          |
|-----|--------------------|-------------------|-------|-------------------|----------------|-------------|------------------------------|------------------|--------------------------------------|--------------------------|
|     |                    |                   |       | First<br>Unit     | Latest<br>Unit |             |                              | No.              | Unit<br>Capacity<br>kw.              | Total<br>Capacity<br>kw. |
| 1   | Trenton            | Trenton           | NSPC  | 1951              | 1969           | d           | S                            | 1<br>2<br>2      | 150,000<br>10,000<br>20,000          | 210,000                  |
| 2   | Lower Water Street | Halifax           | NSLPC | 1944              | 1959           | b,d         | S                            | 1<br>2<br>1<br>2 | 10,000<br>20,000<br>25,000<br>45,000 | 165,000                  |
| 3   | Glace Bay          | Glace Bay         | NSPC  | 1932              | 1966           | d           | S                            | 2<br>4<br>1      | 6,000<br>15,000<br>36,000            | 108,000                  |
| 4   | Tufts Cove         | Tufts Cove        | NSLPC | 1965              | -              | b,d         | S                            | 1                | 100,000                              | 100,000                  |
| 5   | Point Tupper       | Port Hawkesbury   | NSPC  | 1969              |                | b           | S                            | 1                | 80,000                               | 80,000                   |
| 6   | Sydney             | Sydney            | DOSCO | 1919              | 1943           | a<br>b<br>d | S                            | 1<br>2<br>1<br>1 | 7,600<br>3,000<br>5,000<br>16,000    | 34,600                   |
| 7   | Harrison Lake      | Macan             | NSPC  | 1926              | 1949           | d           | S                            | 1<br>1<br>1<br>1 | 15,000<br>6,000<br>1,500<br>4,000    | 26,500                   |
| 8   | Abercrombie Point  | Abercrombie Point | SMP   | 1967              | -              |             |                              | 1                | 18,750                               | 18,750                   |
| 9   | Port Hawkesbury    | Point Tupper      | NSP   | 1962              | -              | d           | S                            | 1                | 10,000                               | 10,000                   |
| 10  | Brooklyn           | Brooklyn          | BMPC  | 1943              | -              | b,c         | S                            | 1                | 5,170                                | 5,170                    |
| 11  | Dartmouth          | Dartmouth         | IOC   | 1965              | -              | b           | S                            | 1                | 3,750                                | 3,750                    |
| 12  | King Street        | Yarmouth          | NSLPC | 1937              | 1948           | b           | IC                           | 1<br>1<br>2      | 320<br>400<br>600                    | 1,920                    |

Total capacity of plants 1,500 kw. and over (not listed above) 5,200

Total capacity of plants under 1,500 kw. 2,070

Total (all plants) 770,960

Combined Hydro and Thermal Total 933,720

|                     |    |
|---------------------|----|
| Gas Turbine         | GT |
| Internal Combustion | IC |
| Steam               | S  |
| Combustion Turbine  | CT |

# Prince Edward Island

## THERMAL

| No.                                                            | Station       | Location      | Owner | Year<br>Installed |                | Fuel | Type<br>of<br>Prime<br>Mover | Generators            |                                             |                          |
|----------------------------------------------------------------|---------------|---------------|-------|-------------------|----------------|------|------------------------------|-----------------------|---------------------------------------------|--------------------------|
|                                                                |               |               |       | First<br>Unit     | Latest<br>Unit |      |                              | No.                   | Unit<br>Capacity<br>kw.                     | Total<br>Capacity<br>kw. |
| 1                                                              | Charlottetown | Charlottetown | MEC   | 1931              | 1963           | b    | S                            | 1<br>1<br>2<br>1<br>2 | 1,500<br>4,000<br>7,500<br>10,000<br>20,000 | 70,500                   |
| 2                                                              | Summerside    | Summerside    | MS    | 1940              | 1963           | b    | IC                           | 1<br>2<br>1<br>1<br>2 | 200<br>250<br>555<br>1,135<br>2,250         | 6,890                    |
| Total capacity of plants 1,500 kw. and over (not listed above) |               |               |       |                   |                |      |                              |                       |                                             |                          |
| Total capacity of plants under 1,500 kw.                       |               |               |       |                   |                |      |                              |                       |                                             |                          |
| Total (all plants) 77,390                                      |               |               |       |                   |                |      |                              |                       |                                             |                          |

|                     |    |
|---------------------|----|
| Gas Turbine         | GT |
| Internal Combustion | IC |
| Steam               | S  |
| Combustion Turbine  | CT |

# Newfoundland

## HYDRO

| No.                                                                   | Development    | River                | Owner | Year Installed |             | Rated Head ft. | No. of Units | Turbines          |                    | Generators        |                    |
|-----------------------------------------------------------------------|----------------|----------------------|-------|----------------|-------------|----------------|--------------|-------------------|--------------------|-------------------|--------------------|
|                                                                       |                |                      |       | First Unit     | Latest Unit |                |              | Unit Capacity hp. | Total Capacity hp. | Unit Capacity kw. | Total Capacity kw. |
| 1                                                                     | Bay d'Espoir   | Salmon               | NPC   | 1967           | 1967        |                | 4            | 100,000           | 400,000            | 76,500            | 306,000            |
| 2                                                                     | Twin Falls     | Unknown              | TFPC  | 1962           | 1968        | 290            | 5            | 60,000            | 300,000            | 46,800            | 234,000            |
| 3                                                                     | Deer Lake      | Humber               | BPC   | 1925           | 1930        | 247            | 4            | 16,000            |                    | 11,284            |                    |
|                                                                       |                |                      |       |                |             |                | 3            | 16,000            |                    | 11,305            |                    |
|                                                                       |                |                      |       |                |             |                | 2            | 29,000            | 170,000            | 19,950            | 118,951            |
| 4                                                                     | Grand Falls    | Exploits             | PPP   | 1909           | 1938        | 109            | 3            | 2,500             |                    | 1,500             |                    |
|                                                                       |                |                      |       |                |             |                | 1            | 36,000            | 43,500             | 26,000            | 30,500             |
| 5                                                                     | Menihek        | Ashuanipi (Labrador) | TOCC  | 1954           | 1960        | 34             | 2            | 6,000             |                    | 4,250             |                    |
|                                                                       |                |                      |       |                |             | 40             | 1            | 13,500            | 25,500             | 10,200            | 18,700             |
| 6                                                                     | Bishops Falls  | Exploits             | PPP   | 1909           | 1952        | 35             | 7            | 2,700             |                    | 2,025             |                    |
|                                                                       |                |                      |       |                |             |                | 2            | 1,500             | 21,900             | 1,500             | 17,175             |
| 7                                                                     | Rattling Brook | Rattling Brook       | NLPC  | 1958           | 1958        | 307            | 2            | 8,500             | 17,000             | 6,375             | 12,750             |
| 8                                                                     | Mobile         | Mobile               | NLPC  | 1951           | -           | 370            | 1            | 13,000            | 13,000             | 9,350             | 9,350              |
| 9                                                                     | Watson's Brook | Corner Brook         | BPC   | 1958           | 1958        | 559            | 2            | 6,000             | 12,000             | 4,600             | 9,200              |
| 10                                                                    | Horse Chops    | Horse Chops          | NLPC  | 1953           | -           | 276            | 1            | 10,000            | 10,000             | 7,650             | 7,650              |
| 11                                                                    | Tors Cove      | Tors Cove            | NLPC  | 1942           | 1951        | 173            | 2            | 2,850             |                    | 2,000             |                    |
|                                                                       |                |                      |       |                |             |                | 1            | 3,500             | 9,200              | 2,500             | 6,500              |
| 12                                                                    | Cape Broyle    | Horse Chops          | NLPC  | 1952           | -           | 176            | 1            | 7,600             | 7,600              | 6,000             | 6,000              |
| 13                                                                    | Sandy Brook    | Sandy Brook          | NLPC  | 1963           | -           | 115            | 1            | 8,000             | 8,000              | 5,950             | 5,950              |
| 14                                                                    | Lookout Brook  | Lookout Brook        | NLPC  | 1945           | 1958        | 575            | 2            | 1,850             |                    | 1,400             |                    |
|                                                                       |                |                      |       |                |             |                | 1            | 3,600             | 7,300              | 2,400             | 5,200              |
| 15                                                                    | Petty Harbour  | Petty Harbour        | NLPC  | 1908           | 1926        | 190            | 2            | 2,100             |                    | 1,600             |                    |
|                                                                       |                |                      |       |                |             |                | 1            | 2,750             | 6,950              | 1,800             | 5,000              |
| 16                                                                    | New Chelsea    | New Chelsea Brook    | NLPC  | 1957           | -           | 275            | 1            | 5,600             | 5,600              | 4,000             | 4,000              |
| 17                                                                    | Seal Cove      | Seal Cove            | NLPC  | 1922           | 1927        | 190            | 1            | 1,500             |                    | 1,200             |                    |
|                                                                       |                |                      |       |                |             |                | 1            | 3,040             | 4,540              | 2,400             | 3,600              |
| 18                                                                    | Pierres Brook  | Pierres Brook        | NLPC  | 1931           | -           | 263            | 1            | 4,500             | 4,500              | 3,200             | 3,200              |
| 19                                                                    | Rocky Pond     | Tors Cove            | NLPC  | 1943           | -           | 107            | 1            | 4,200             | 4,200              | 3,200             | 3,200              |
| 20                                                                    | Lockston       | Lockston             | NLPC  | 1956           | 1961        | 270            | 2            | 2,000             | 4,000              | 1,500             | 3,000              |
| 21                                                                    | Hearts Content | Hearts Content Brook | NLPC  | 1960           | -           | 150            | 1            | 3,600             | 3,600              | 2,400             | 2,400              |
| 22                                                                    | Buchans Brook  | Buchans Brook        | ASRC  | 1927           | -           | 163            | 1            | 2,359             | 2,359              | 1,760             | 1,760              |
| Total capacity of plants under 1,500 kw.                              |                |                      |       |                |             |                |              | 7,490             |                    | 5,440             |                    |
| Total capacity of turbines connected directly to mechanical equipment |                |                      |       |                |             |                |              | 22,000            |                    |                   |                    |
| Total (all plants)                                                    |                |                      |       |                |             |                |              | 1,110,239         |                    | 819,526           |                    |

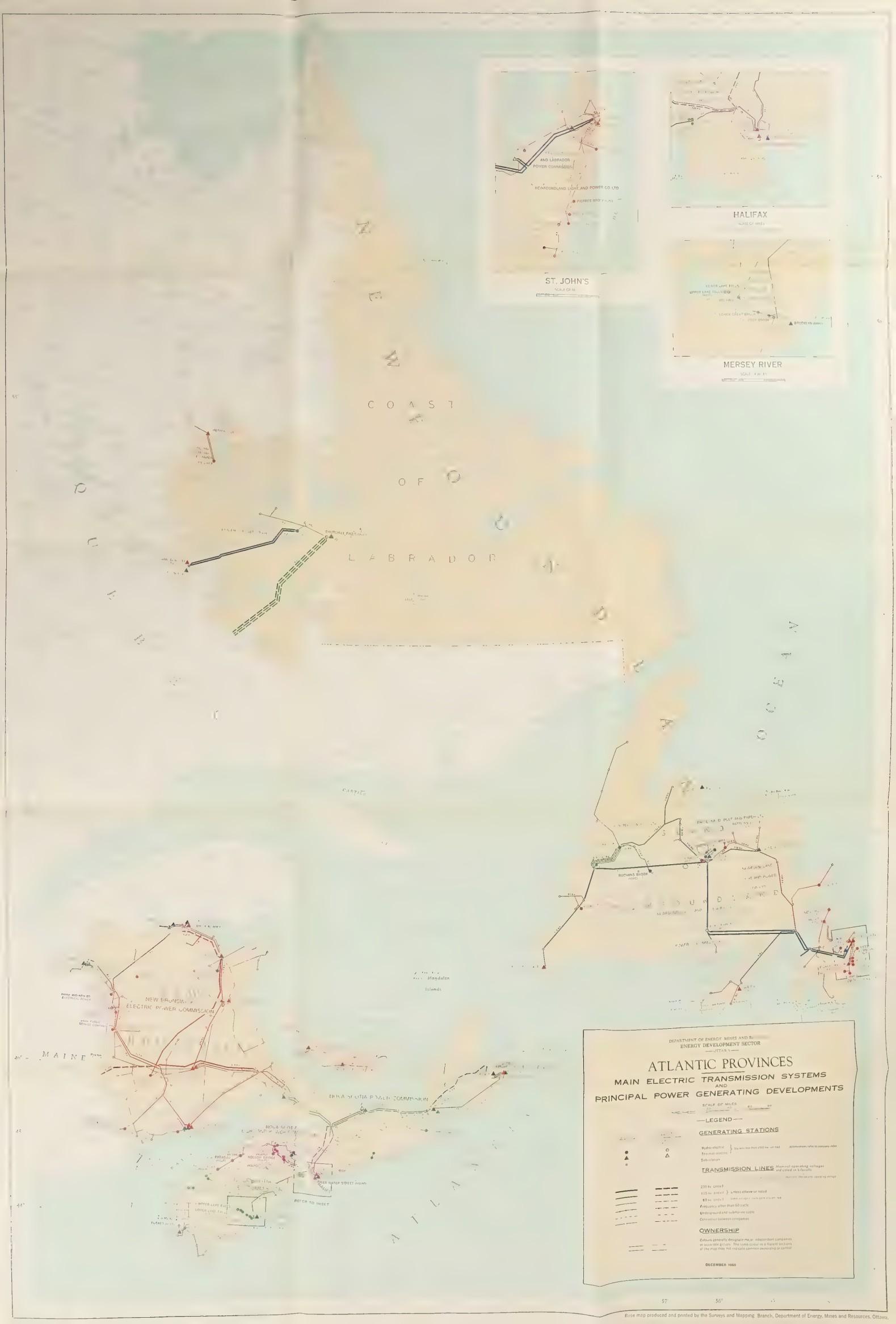
# THERMAL

| No.                                                            | Station          | Location         | Owner | Year Installed      |             | Fuel | Type of Prime Mover | Generators  |                     |                    |
|----------------------------------------------------------------|------------------|------------------|-------|---------------------|-------------|------|---------------------|-------------|---------------------|--------------------|
|                                                                |                  |                  |       | First Unit          | Latest Unit |      |                     | No.         | Unit Capacity kw.   | Total Capacity kw. |
| 1                                                              | St. John's       | St. John's       | NLPC  | 1957                | 1959        | b    | S                   | 1           | 10,000<br>20,000    | 30,000             |
| 2                                                              | Salt Pond        | Salt Pond        | NLPC  | 1964                | 1968        | b    | IC<br>GT            | 5<br>1      | 500<br>14,400       | 15,900             |
| 3                                                              | Control Centre   | Holyrood         | NPC   | 1966                | -           | a    | GT                  | 1           | 14,150              | 14,150             |
| 4                                                              | Grand Falls      | Grand Falls      | PPP   | 1930                | 1931        | b    | S                   | 2           | 5,000               | 10,000             |
| 5                                                              | Corner Brook     | Corner Brook     | BPC   | 1957                | -           | b    | S                   | 1           | 6,600               | 6,600              |
| 6                                                              | Tilt Cove        | Tilt Cove        | TCPC  | 1960                | -           | b    | S                   | 1           | 5,000               | 5,000              |
| 7                                                              | Port aux Basques | Port aux Basques | NLPC  | 1945                | 1969        | b    | IC                  | 1<br>2<br>3 | 2,700<br>350<br>250 | 4,360              |
| 8                                                              | Wabush Lake      | Wabush Lake      | WM    | -                   | 1963        | b    | IC                  | 4           | 1,000               | 4,000              |
| 9                                                              | Goose Bay        | Goose Bay        | DOT   | 1952                | 1959        | b    | IC                  | 4<br>1      | 750<br>1,000        | 4,000              |
| 10                                                             | Labrador City    | Carol Lake       | IOCC  |                     |             | b    |                     |             |                     | 3,910              |
| 11                                                             | Palmquist        | Gander           | DOT   | 1948                | 1962        | b    | IC                  | 3           | 1,000               | 3,000              |
| 12                                                             | Happy Valley     | Goose Bay        | NLPC  | 1967                | 1967        | b    | IC                  | 2<br>2      | 1,100<br>250        | 2,700              |
| 13                                                             | St. John's       | St. John's       | NLPC  | 1956                | -           | b    | IC                  | 1           | 2,500               | 2,500              |
| Total capacity of plants 1,500 kw. and over (not listed above) |                  |                  |       |                     |             |      |                     |             |                     | 4,000              |
| Total capacity of plants under 1,500 kw.                       |                  |                  |       |                     |             |      |                     |             |                     | 17,327             |
| Total (all plants)                                             |                  |                  |       |                     |             |      |                     |             |                     | 127,447            |
| Combined Hydro and Thermal Total                               |                  |                  |       |                     |             |      |                     |             |                     | 946,973            |
|                                                                |                  |                  |       | Gas Turbine         | GT          |      |                     |             |                     |                    |
|                                                                |                  |                  |       | Internal Combustion | IC          |      |                     |             |                     |                    |
|                                                                |                  |                  |       | Steam               | S           |      |                     |             |                     |                    |
|                                                                |                  |                  |       | Combustion Turbine  | CT          |      |                     |             |                     |                    |



## **OWNER CODE INDEX**

| CODE        | OWNER                                             |
|-------------|---------------------------------------------------|
| ASR.....    | Atlantic Sugar Refineries                         |
| ASRC.....   | American Smelting and Refining Company Limited    |
| BMPC.....   | Bowaters Mersey Paper Company Limited             |
| BPC.....    | Bowater Power Company Limited                     |
| CB.....     | Consolidated-Bathurst Limited                     |
| CC.....     | City of Campbellton                               |
| DOSCO.....  | Dominion Iron and Steel Company Limited           |
| DOT.....    | Department of Transport, Government of Canada     |
| FC.....     | Fraser Companies Limited                          |
| IOC.....    | Imperial Oil Limited                              |
| IOCC.....   | Iron Ore Company of Canada                        |
| IPP.....    | Irving Pulp and Paper Limited                     |
| MBPP.....   | Minas Basin Pulp and Power Company                |
| ME.....     | Municipality of Edmundston                        |
| MEC.....    | Maritime Electric Company Limited                 |
| MNBP.....   | Maine and New Brunswick Electrical Power Co. Ltd. |
| MS.....     | Municipality of Summerside                        |
| NBEPIC..... | New Brunswick Electric Power Commission           |
| NBIPC.....  | New Brunswick International Paper Company Limited |
| NLPC.....   | Newfoundland Light and Power Co. Limited          |
| NPC.....    | Newfoundland and Labrador Power Commission        |
| NSLPC.....  | Nova Scotia Light and Power Company Limited       |
| NSP.....    | Nova Scotia Pulp Limited                          |
| NSPC.....   | Nova Scotia Power Commission                      |
| PPP.....    | Price (Nfld) Pulp and Paper Limited               |
| SMP.....    | Scott Maritimes Pulp Limited                      |
| TCPC.....   | Tilt Cove Power Corporation                       |
| TFPC.....   | Twin Falls Power Company Limited                  |
| WCPC.....   | West Coast Power Company Limited                  |
| WM.....     | Wabush Mines                                      |



Energy Development Sec  
**DEPARTMENT OF ENERGY, MINES AND RESOURC**  
OTTAWA, CANADA

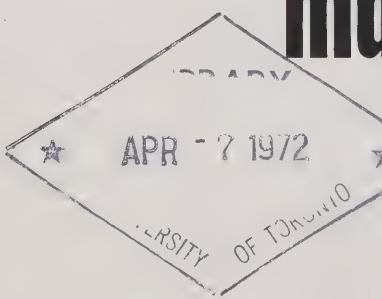
# BRITISH COLUMBIA

CAI MT51

S22



## electric power in canada map supplement



1969



26-117-3  
322

TRANSMISSION  
AND  
GENERATING FACILITIES

---

British Columbia • Yukon  
and Northwest Territories

ENERGY DEVELOPMENT SECTOR  
DEPARTMENT OF ENERGY, MINES AND RESOURCES

INDEX OF FUELS FOR THERMAL DEVELOPMENTS

|                 |   |
|-----------------|---|
| Gas             | a |
| Oil             | b |
| Wood Waste      | c |
| Coal            | d |
| Coke            | e |
| Waste Heat      | f |
| Coke Oven Gas   | g |
| Uranium Dioxide | h |
| Grain Refuse    | i |
| Flare Gas       | j |

# British Columbia

## HYDRO

| No. | Development        | River                         | Owner | Year Installed |             | Rated Head ft. | No. of Units | Turbines                      |                    | Generators                 |                    |
|-----|--------------------|-------------------------------|-------|----------------|-------------|----------------|--------------|-------------------------------|--------------------|----------------------------|--------------------|
|     |                    |                               |       | First Unit     | Latest Unit |                |              | Unit Capacity hp.             | Total Capacity hp. | Unit Capacity kw.          | Total Capacity kw. |
| 1   | Gordon M. Shrum    | Peace                         | BCHPA | 1968           | 1969        | 500            | 5            | 310,000                       | 1,550,000          | 227,000                    | 1,135,000          |
| 2   | Kemano             | Nechako to Kemano             | ALCAN | 1954           | 1967        | 2,500          | 4            | 150,000<br>150,000            | 1,200,000          | 97,600<br>105,600          | 812,800            |
| 3   | Waneta             | Pend d'Oreille                | CMSC  | 1954           | 1966        | 210            | 1<br>2<br>1  | 130,000<br>120,000<br>130,000 | 500,000            | 72,000<br>72,000<br>76,500 | 292,500            |
| 4   | Bridge River No. 2 | Bridge River                  | BCHPA | 1959           | 1960        | 1,264          | 4            | 82,000                        | 328,000            | 62,000                     | 248,000            |
| 5   | Bridge River No. 1 | Bridge River                  | BCHPA | 1948           | 1954        | 1,261          | 4            | 69,000                        | 276,000            | 45,000                     | 180,000            |
| 6   | Cheakamus          | Cheakamus                     | BCIPA | 1957           | 1957        | 954            | 2            | 95,000                        | 190,000            | 70,000                     | 140,000            |
| 7   | John Hart          | Campbell                      | BCHPA | 1947           | 1953        | 390            | 6            | 28,000                        | 168,000            | 20,000                     | 120,000            |
| 8   | Brilliant          | Kootenay                      | CMSC  | 1944           | 1968        | 90             | 3<br>1       | 37,000<br>40,000              | 151,000            | 27,200<br>27,200           | 108,800            |
| 9   | Ruskin             | Stave                         | BCIPA | 1930           | 1950        | 123            | 3            | 47,000                        | 141,000            | 35,200                     | 105,600            |
| 10  | Strathcona         | Campbell                      | BCIPA | 1958           | 1968        | 140            | 2            | 42,000                        | 84,000             | 33,750                     | 67,500             |
| 11  | Wahleach           | Wahleach Lake to Fraser       | BCIPA | 1952           | -           | 1,880          | 1            | 82,000                        | 82,000             | 60,000                     | 60,000             |
| 12  | Upper Bonnington   | Kootenay                      | CMSC  | 1907           | 1940        | 70             | 2<br>2<br>2  | 8,000<br>9,000<br>26,000      | 86,000             | 5,062<br>6,750<br>15,750   | 55,124             |
| 13  | Ladore Falls       | Campbell                      | BCIPA | 1956           | 1957        | 122            | 2            | 35,000                        | 70,000             | 27,000                     | 54,000             |
| 14  | Stave Falls        | Stave                         | BCIPA | 1912           | 1925        | 110<br>113     | 4<br>1       | 13,000<br>15,000              | 67,000             | 10,500<br>10,500           | 52,500             |
| 15  | Lake Buntzen No. 1 | Lake Buntzen to Burrard Inlet | BCIPA | 1951           | -           | 380            | 1            | 70,000                        | 70,000             | 50,000                     | 50,000             |
| 16  | South Slocan       | Kootenay                      | CMSC  | 1928           | 1929        | 70             | 3            | 25,000                        | 75,000             | 15,750                     | 47,250             |
| 17  | Lower Bonnington   | Kootenay                      | WKPL  | 1925           | 1926        | 70             | 3            | 20,000                        | 60,000             | 15,750                     | 47,250             |
| 18  | Seton              | Seton Creek                   | BCIPA | 1956           | -           | 147            | 1            | 58,500                        | 58,500             | 42,000                     | 42,000             |
| 19  | Corra Linn         | Kootenay                      | CMSC  | 1932           | 1932        | 53             | 3            | 19,000                        | 57,000             | 13,500                     | 40,500             |
| 20  | Stillwater         | Lois                          | MBPR  | 1930           | 1948        | -              | 2            | 25,000                        | 50,000             | 16,200                     | 32,400             |
| 21  | Clowhom Falls      | Clowhom                       | BCIPA | 1958           | -           | 145            | 1            | 40,000                        | 40,000             | 30,000                     | 30,000             |
| 22  | Puntledge          | Puntledge                     | BCIPA | 1955           | -           | 340            | 1            | 35,000                        | 35,000             | 27,000                     | 27,000             |
| 23  | Lake Buntzen No. 2 | Lake Buntzen to Burrard Inlet | BCIPA | 1913           | 1919        | 380            | 3            | 13,500                        | 40,500             | 8,900                      | 26,700             |
| 24  | Jordan River       | Jordan                        | BCIPA | 1911           | 1931        | 1,010          | 2<br>1<br>1  | 5,430<br>10,125.<br>18,000    | 38,985             | 3,200<br>8,000<br>12,000   | 26,400             |
| 25  | Ash River          | Ash                           | BCIPA | 1959           | -           | 735            | 1            | 35,000                        | 35,000             | 25,200                     | 25,200             |
| 26  | La Joie            | Bridge                        | BCIPA | 1957           | -           | 176            | 1            | 30,000                        | 30,000             | 22,000                     | 22,000             |

BRITISH COLUMBIA (Continued)

HYDRO

| No. | Development    | River                            | Owner | Year<br>Installed |                | Rated<br>Head<br>ft. | No.<br>of<br>Units | Turbines                         |                          | Generators                     |                          |
|-----|----------------|----------------------------------|-------|-------------------|----------------|----------------------|--------------------|----------------------------------|--------------------------|--------------------------------|--------------------------|
|     |                |                                  |       | First<br>Unit     | Latest<br>Unit |                      |                    | Unit<br>Capacity<br>hp.          | Total<br>Capacity<br>hp. | Unit<br>Capacity<br>kw.        | Total<br>Capacity<br>kw. |
| 27  | Powell River   | Powell                           | MBPR  | 1911              | 1926           | 157<br>147<br>147    | 1<br>1<br>2        | 13,500<br>3,600<br>3,000         | 23,100                   | 12,000<br>3,750<br>2,800       | 21,350                   |
| 28  | Ocean Falls    | Link                             | CZC   | 1917              | 1932           | 143                  | 2                  | 2,100<br>6,300                   | 16,800                   | 1,900<br>4,200                 | 12,200                   |
| 29  | Elko           | Elk                              | BCHPA | 1923              | 1924           | 190                  | 2                  | 7,500                            | 15,000                   | 4,800                          | 9,600                    |
| 30  | Falls River    | Big Falls Creek                  | BCHPA | 1930              | 1960           | 248                  | 2                  | 6,000                            | 12,000                   | 4,800                          | 9,600                    |
| 31  | Nelson         | Kootenay                         | CN    | 1907              | 1950           | 60<br>60<br>70<br>70 | 1<br>1<br>1<br>1   | 1,670<br>1,900<br>3,000<br>6,750 | 13,320                   | 750<br>1,000<br>2,120<br>4,800 | 8,670                    |
| 32  | Alouette       | Alouette Lake to Stave Lake      | BCHPA | 1928              | -              | 125.5                | 1                  | 12,500                           | 12,500                   | 8,000                          | 8,000                    |
| 33  | Walter Hardman | Cranberry Creek                  | COR   | 1960              | 1965           | 770                  | 2                  | 5,800                            | 11,600                   | 4,000                          | 8,000                    |
| 34  | Shuswap Falls  | Shuswap                          | BCHPA | 1929              | 1942           | 72<br>82             | 1<br>1             | 3,800<br>4,000                   | 7,800                    | 2,400<br>2,800                 | 5,200                    |
| 35  | Aberfeldie     | Bull                             | BCHPA | 1922              | 1922           | 275                  | 2                  | 3,650                            | 7,300                    | 2,500                          | 5,000                    |
| 36  | Beach          | Britannia Creek<br>Furry Creek   | ACL   | 1916              | 1917           | 1,835<br>760         | 1<br>1             | 3,750<br>3,750                   | 7,500                    | 2,000<br>2,000                 | 4,000                    |
| 37  | Spillimacheen  | Spillimacheen                    | BCHPA | 1955              | 1955           | 207                  | 2                  | 1,200<br>1<br>3,000              | 5,400                    | 900<br>2,200                   | 4,000                    |
| 38  | Tennent Creek  | Tennent Creek                    | WM    | 1966              | -              | 2,050                | 1                  | 4,500                            | 4,500                    | 3,060                          | 3,060                    |
| 39  | Woodfibre      | Woodfibre Creek                  | RC    | 1947              | -              | 920                  | 1                  | 3,650                            | 3,650                    | 2,250                          | 2,250                    |
| 40  | Port Alice     | Victoria Lake to Neroutsos Inlet | RC    | 1953              | -              | 425                  | 1                  | 3,200                            | 3,200                    | 2,000                          | 2,000                    |

Total capacity of plants under 1,500 kw. 3,200 2,022

Total capacity of turbines connected directly to mechanical equipment 46,210

Total (all plants) 5,674,865 3,953,476

THERMAL

| No. | Station      | Location        | Owner | Year Installed |             | Fuel | Type of Prime Mover | Generators |                   |                    |
|-----|--------------|-----------------|-------|----------------|-------------|------|---------------------|------------|-------------------|--------------------|
|     |              |                 |       | First Unit     | Latest Unit |      |                     | No.        | Unit Capacity kw. | Total Capacity kw. |
| 1   | Burrard      | Vancouver       | BCIPA | 1962           | 1968        | a,b  | S                   | 5          | 150,000           | 750,000            |
| 2   | Port Mann    | New Westminster | BCHPA | 1959           | 1959        | b    | GT                  | 4          | 25,000            | 100,000            |
| 3   | Georgia      | Chemainus       | BCHPA | 1958           | 1959        | b    | GT                  | 2          | 19,750            |                    |
|     |              |                 |       |                |             |      |                     | 2          | 18,000            | 75,500             |
| 4   | Powell River | Powell River    | MBPR  | 1948           | 1967        | b,c  | S                   | 1          | 1,350             |                    |
|     |              |                 |       |                |             |      |                     | 1          | 1,200             |                    |
|     |              |                 |       |                |             |      |                     | 1          | 10,500            |                    |
|     |              |                 |       |                |             |      |                     | 1          | 1,875             |                    |
|     |              |                 |       |                |             |      |                     | 1          | 36,000            | 50,925             |

## THERMAL

| No. | Station          | Location        | Owner | Year Installed |             | Fuel | Type of Prime Mover | Generators       |                                  |                    |
|-----|------------------|-----------------|-------|----------------|-------------|------|---------------------|------------------|----------------------------------|--------------------|
|     |                  |                 |       | First Unit     | Latest Unit |      |                     | No.              | Unit Capacity kw.                | Total Capacity kw. |
| 5   | Watson Island    | Watson Island   | CCC   | 1950           | 1966        | b, c | S                   | 2<br>1           | 7,500<br>34,600                  | 49,600             |
| 6   | Harmac           | Nanaimo         | MBPR  | 1954           | 1963        | b, c | S                   | 1<br>1<br>1      | 31,500<br>4,000<br>1,250         | 36,750             |
| 7   | Tide Lake        | Tide Lake       | GOC   |                |             |      |                     | 2                | 15,000                           | 30,000             |
| 8   | Somass Mill      | Port Alberni    | MBPR  | 1963           | -           | c    | S                   | 1                | 26,000                           | 26,000             |
| 9   | Dawson Creek     | Dawson Creek    | BCHPA | 1953           | 1963        | a, b | IC                  | 2<br>6           | 1,000<br>3,000                   | 20,000             |
| 10  | Port Alice       | Port Alice      | RC    | 1942           | 1957        | b, c | S                   | 1<br>2<br>1      | 3,200<br>3,500<br>6,000          | 16,200             |
| 11  | Ocean Falls      | Ocean Falls     | CZC   | 1930           | 1950        | b, c | S                   | 1<br>1<br>1<br>1 | 3,000<br>2,000<br>4,000<br>5,000 | 14,000             |
| 12  | New Westminster  | New Westminster | CZB   | 1912           | 1950        | c    | S                   | 1<br>1<br>1      | 5,000<br>1,500<br>6,000          | 12,500             |
| 13  | Elburne Sawmills | Vancouver       | CFP   | 1960           | 1960        | c    | S                   | 2                | 5,750                            | 11,500             |
| 14  | Dry Dock         | Prince Rupert   | BCHPA | 1950           | 1967        | b    | IC                  | 3<br>1<br>1<br>1 | 799<br>1,970<br>2,034<br>5,000   | 11,401             |
| 15  | Mica Creek       | Mica            | BCHPA | 1965           | 1965        | b    | IC                  | 1<br>2<br>1<br>2 | 675<br>1,000<br>2,500<br>3,000   | 11,175             |
| 16  | Tasu             | Tasu            | WFM   | 1967           | 1967        |      | IC                  | 5                | 2,210                            | 11,050             |
| 17  | Chetwynd         | Chetwynd        | BCHPA | 1958           | 1968        | b    | IC                  | 2<br>1<br>3      | 600<br>800<br>3,000              | 11,000             |
| 18  | Port Hardy       | Port Hardy      | BCHPA | 1959           | 1969        | b    | IC                  | 1<br>2<br>4<br>1 | 600<br>300<br>1,000<br>5,000     | 10,200             |
| 19  | Youbou           | Youbou          | BCFP  | 1929           | 1967        | c    | S                   | 1<br>2<br>1<br>1 | 800<br>750<br>2,000<br>5,000     | 9,300              |
| 20  | Prince George    | Prince George   | BCIPA | 1957           | 1963        | b    | IC                  | 3                | 3,000                            | 9,000              |
| 21  | Tahsis           | Tahsis          | TCL   | 1956           | 1960        | d    | S                   | 1<br>1           | 5,000<br>3,000                   | 8,000              |
| 22  | Golden           | Golden          | BCIPA | 1968           | 1969        | b    | IC<br>GT            | 2<br>1           | 1,500<br>5,000                   | 8,000              |
| 23  | McMahon          | Taylor          | PP    | 1957           | 1957        | a    | S                   | 3                | 2,500                            | 7,500              |

Gas Turbine      GT  
Internal Combustion      IC  
Steam      S  
Combustion Turbine      CT

## THERMAL

| No. | Station              | Location       | Owner | Year Installed |             | Fuel  | Type of Prime Mover | Generators                 |                                          |                    |
|-----|----------------------|----------------|-------|----------------|-------------|-------|---------------------|----------------------------|------------------------------------------|--------------------|
|     |                      |                |       | First Unit     | Latest Unit |       |                     | No.                        | Unit Capacity kw.                        | Total Capacity kw. |
| 24  | Golden               | Golden         | KIIFP | 1966           | -           | d     |                     | 1                          | 7,500                                    | 7,500              |
| 25  | Kelowna              | Kelowna        | SMS   | 1950           | 1963        | b,c,d | S                   | 1<br>1<br>1<br>1           | 750<br>2,000<br>3,500<br>1,000           | 7,250              |
| 26  | Woodfibre            | Woodfibre      | RC    | 1948           | 1961        | b,c   | S                   | 2<br>1                     | 2,000<br>3,000                           | 7,000              |
| 27  | Smithers             | Smithers       | BCHPA | 1951           | 1965        | b     | IC                  | 2<br>1<br>2<br>1           | 560<br>760<br>1,000<br>3,000             | 6,880              |
| 28  | Port Moody           | Port Moody     | WCL   | 1958           | 1965        | d     | S                   | 1<br>1                     | 3,500<br>3,000                           | 6,500              |
| 29  | Port Mellon          | Port Mellon    | CFP   | 1928           | 1947        | b     | S                   | 1<br>1<br>1                | 500<br>1,500<br>3,000                    | 5,000              |
| 30  | Cassiar              | Cassiar        | CAC   | 1952           | 1966        | b     | IC                  | 3<br>2<br>1<br>1<br>1<br>1 | 300<br>350<br>450<br>650<br>900<br>1,200 | 4,800              |
| 31  | Vancouver            | Vancouver      | MBPR  | 1949           | 1956        | c     | S                   | 1<br>1                     | 750<br>4,000                             | 4,750              |
| 32  | Kimberley (Stand-by) | Kimberley      | GMSC  | 1927           | 1928        | d     | S                   | 3                          | 1,500                                    | 4,500              |
| 33  | Victoria             | Victoria       | BCFP  | 1940           | 1950        | c     | S                   | 1<br>1                     | 3,000<br>1,500                           | 4,500              |
| 34  | Giscome              | Giscome        | ELS   | 1951           | 1956        | c     | S                   | 1<br>1<br>1                | 1,500<br>2,400<br>300                    | 4,200              |
| 35  | Fort Nelson          | Fort Nelson    | BCHPA | 1960           | 1969        | a,b   | IC                  | 1<br>2<br>1<br>1<br>1      | 1,200<br>600<br>261<br>500<br>1,000      | 4,161              |
| 36  | Llk Falls            | Campbell River | EFC   | 1964           | 1965        | c     | S                   | 1<br>1                     | 3,225<br>800                             | 4,055              |
| 37  | Hammond              | Hammond        | BCFP  | 1928           | 1929        | c     | S                   | 2                          | 2,000                                    | 4,000              |
| 38  | Chemainus            | Chemainus      | MBPR  | 1925           | 1950        | c     | S                   | 1<br>1                     | 3,000<br>750                             | 3,750              |
| 39  | Vancouver            | Vancouver      | BCSRC | 1947           | 1960        | a,b   | S                   | 3                          | 1,250                                    | 3,750              |
| 40  | Valemount            | Valemount      | BCHPA | 1962           | 1969        | b     | IC                  | 3<br>1<br>2                | 350<br>500<br>1,000                      | 3,550              |
| 41  | McBride              | McBride        | BCHPA | 1951           | 1969        | a,b   | IC                  | 1<br>4                     | 1,000<br>600                             | 3,400              |
| 42  | Jedway               | Jedway         | JIOC  | -              | -           | b     | IC                  | 3<br>1                     | 1,000<br>225                             | 3,225              |

Gas Turbine  
Internal Combustion  
Steam  
Combustion Turbine

GT  
IC  
S  
CT

## BRITISH COLUMBIA (Continued)

## THERMAL

| No. | Station          | Location                | Owner | Year Installed |             | Fuel | Type of Prime Mover | Generators            |                                |                    |
|-----|------------------|-------------------------|-------|----------------|-------------|------|---------------------|-----------------------|--------------------------------|--------------------|
|     |                  |                         |       | First Unit     | Latest Unit |      |                     | No.                   | Unit Capacity kw.              | Total Capacity kw. |
| 43  | Hazelton         | Hazelton                | BCHPA | 1965           | 1969        | b    | IC                  | 3<br>3<br>1<br>1      | 200<br>600<br>250<br>500       | 3,150              |
| 44  | Kitimat          | Kitimat                 | ALCAN | 1954           | 1955        | b    | IC                  | 3                     | 1,000                          | 3,000              |
| 45  | Burns Lake       | Burns Lake              | BCHPA | 1954           | 1965        | b    | IC                  | 1<br>4<br>1           | 800<br>250<br>1,136            | 2,936              |
| 46  | Honeymoon Bay    | Honeymoon Bay           | WFI   | 1949           | 1961        | b    | S                   | 1<br>1                | 1,000<br>1,760                 | 2,760              |
| 47  | Stewart          | Stewart                 | BCHPA | 1965           | 1969        | b    | IC                  | 2<br>1<br>1<br>1      | 500<br>125<br>350<br>1,136     | 2,611              |
| 48  | Celgar Pulp Mill | Celgar Pulp Mill        | CCC   | 1963           | -           |      | S                   | 1                     | 2,500                          | 2,500              |
| 49  | Masset           | Masset                  | BCHPA | 1969           | 1969        | b    | IC                  | 1<br>1<br>2           | 250<br>500<br>600              | 2,450              |
| 50  | Mesachie Lake    | Mesachie Lake           | HLC   | 1943           | 1949        | c    | S                   | 1<br>1                | 1,600<br>750                   | 2,350              |
| 51  | Tide Camp        | Stewart                 | GM    | 1965           | 1967        | b    | IC                  | 3<br>2                | 500<br>400                     | 2,300              |
| 52  | Endako           | Endako                  | EM    | 1964           | 1964        | b    | IC                  | 1<br>1                | 1,250<br>1,000                 | 2,250              |
| 53  | Revelstoke       | Revelstoke              | COR   | 1926           | 1954        | b    | IC                  | 2<br>1<br>1           | 300<br>400<br>1,000            | 2,000              |
| 54  | Hazelton         | Hazelton                | HSL   | 1963           | 1965        | b    | IC                  | 1<br>1                | 1,500<br>350                   | 1,850              |
| 55  | Bella Coola      | Bella Coola             | BCHPA | 1955           | 1968        | b    | IC                  | 1<br>1<br>1<br>1<br>2 | 96<br>100<br>261<br>350<br>500 | 1,807              |
| 56  | Blue River       | Blue River              | BCHPA | 1961           | 1969        | b    | IC                  | 2<br>1<br>1<br>1      | 200<br>250<br>600<br>500       | 1,750              |
| 57  | Sandspit         | Queen Charlotte Islands | BCHPA | 1962           | 1966        | b    | IC                  | 2<br>1                | 600<br>500                     | 1,700              |
| 58  | Zeballos Mines   | Zeballos Mines          | ZIM   | 1962           | 1964        | b    | IC                  | 2<br>1                | 300<br>1,000                   | 1,600              |
| 59  | Alert Bay        | Alert Bay               | BCHPA |                | 1969        | b    | IC                  | 3<br>2<br>1           | 250<br>150<br>500              | 1,550              |
| 60  | Prince George    | Prince George           | NP    | 1967           | -           |      |                     | 1                     | 1,500                          | 1,500              |

Total capacity of plants 1,500 kw. and over (not listed above) 8,129

Total capacity of plants under 1,500 kw. 35,150

Total (all plants) 1,465,715

Combined Hydro and Thermal Total 5,419,191

# Yukon Territory

## HYDRO

| No.                                                                   | Development       | River | Owner | Year Installed |             | Rated Head ft. | No. of Units | Turbines          |                    | Generators        |                    |
|-----------------------------------------------------------------------|-------------------|-------|-------|----------------|-------------|----------------|--------------|-------------------|--------------------|-------------------|--------------------|
|                                                                       |                   |       |       | First Unit     | Latest Unit |                |              | Unit Capacity hp. | Total Capacity hp. | Unit Capacity kw. | Total Capacity kw. |
| 1                                                                     | Whitehorse Rapids | Yukon | NCPC  | 1958           | 1958        | 61             | 2            | 7,500             | 26,000             | 5,695             | 19,390             |
| 2                                                                     | Mayo River        | Mayo  | NCPC  | 1952           | 1957        | 110            | 2            | 11,000<br>3,000   | 6,000              | 8,000<br>2,550    | 5,100              |
| Total capacity of plants under 1,500 kw.                              |                   |       |       |                |             |                |              |                   |                    |                   |                    |
| Total capacity of turbines connected directly to mechanical equipment |                   |       |       |                |             |                |              |                   |                    |                   |                    |
| Total (all plants)                                                    |                   |       |       |                |             |                |              |                   |                    |                   |                    |

## THERMAL

| No.                                                            | Station    | Location   | Owner | Year Installed |             | Fuel | Type of Prime Mover | Generators |                   |                    |
|----------------------------------------------------------------|------------|------------|-------|----------------|-------------|------|---------------------|------------|-------------------|--------------------|
|                                                                |            |            |       | First Unit     | Latest Unit |      |                     | No.        | Unit Capacity kw. | Total Capacity kw. |
| 1                                                              | Whitehorse | Whitehorse | NCPC  | 1968           | 1968        | b    | IC                  | 1          | 5,150<br>3,920    | 9,070              |
| Total capacity of plants 1,500 kw. and over (not listed above) |            |            |       |                |             |      |                     |            |                   |                    |
| Total capacity of plants under 1,500 kw.                       |            |            |       |                |             |      |                     |            |                   |                    |
| Total (all plants)                                             |            |            |       |                |             |      |                     |            |                   |                    |
| Combined Hydro and Thermal Total                               |            |            |       |                |             |      |                     |            |                   |                    |

|                     |    |
|---------------------|----|
| Gas Turbine         | GT |
| Internal Combustion | IC |
| Steam               | S  |
| Combustion Turbine  | CT |

# Northwest Territories

## HYDRO

| No. | Development   | River       | Owner | Year Installed |             | Rated Head ft. | No. of Units | Turbines          |                    | Generators        |                    |
|-----|---------------|-------------|-------|----------------|-------------|----------------|--------------|-------------------|--------------------|-------------------|--------------------|
|     |               |             |       | First Unit     | Latest Unit |                |              | Unit Capacity hp. | Total Capacity hp. | Unit Capacity kw. | Total Capacity kw. |
| 1   | Twin Gorges   | Taltson     | NCPC  | 1965           | -           | -              | 1            | 25,000            | 25,000             | 18,000            | 18,000             |
| 2   | Snare Falls   | Snare       | NCPC  | 1960           | -           | 63             | 1            | 9,200             | 9,200              | 7,000             | 7,000              |
| 3   | Snare Rapids  | Snare       | NCPC  | 1948           | -           | 56             | 1            | 8,350             | 8,350              | 7,000             | 7,000              |
| 4   | Bluefish Lake | Yellowknife | CMSC  | 1941           | -           | 110            | 1            | 4,700             | 4,700              | 3,360             | 3,360              |

Total capacity of plants under 1,500 kw.

Total capacity of turbines connected directly to mechanical equipment

|                    |        |        |
|--------------------|--------|--------|
| Total (all plants) | 47,250 | 35,360 |
|--------------------|--------|--------|

## THERMAL

| No. | Station       | Location      | Owner | Year Installed |             | Fuel | Type of Prime Mover | Generators                 |                                        |                    |
|-----|---------------|---------------|-------|----------------|-------------|------|---------------------|----------------------------|----------------------------------------|--------------------|
|     |               |               |       | First Unit     | Latest Unit |      |                     | No.                        | Unit Capacity kw.                      | Total Capacity kw. |
| 1   | Inuvik        | Inuvik        | NCPC  | 1957           | 1969        | b    | IC                  | 2<br>1<br>1<br>2<br>1      | 375<br>150<br>960<br>1,000<br>600      |                    |
| 2   | Frobisher Bay | Frobisher Bay | NCPC  | 1963           | 1969        | b    | IC                  | 1<br>1<br>1<br>1           | 1,000<br>960<br>500<br>2,585           | 5,060              |
| 3   | Port Radium   | Port Radium   | EMR   | 1956           | 1953        | b    | IC                  | 2<br>1<br>2<br>2<br>1<br>1 | 150<br>864<br>650<br>400<br>175<br>200 | 3,639              |
| 4   | Hay River     | Hay River     | NU    | 1959           | 1967        | b    | IC                  | 2<br>1<br>3                | 350<br>650<br>500                      | 2,850              |
| 5   | Fort Smith    | Fort Smith    | NCPC  | 1956           | 1969        | b    | IC                  | 1                          | 960<br>1,500                           | 2,460              |
| 6   | Tungsten      | Tungsten      | CIMC  | 1962           | 1962        | b    | IC                  | 3                          | 500                                    | 1,500              |

Total capacity of plants 1,500 kw. and over (not listed above)

Total capacity of plants under 1,500 kw. 13,809

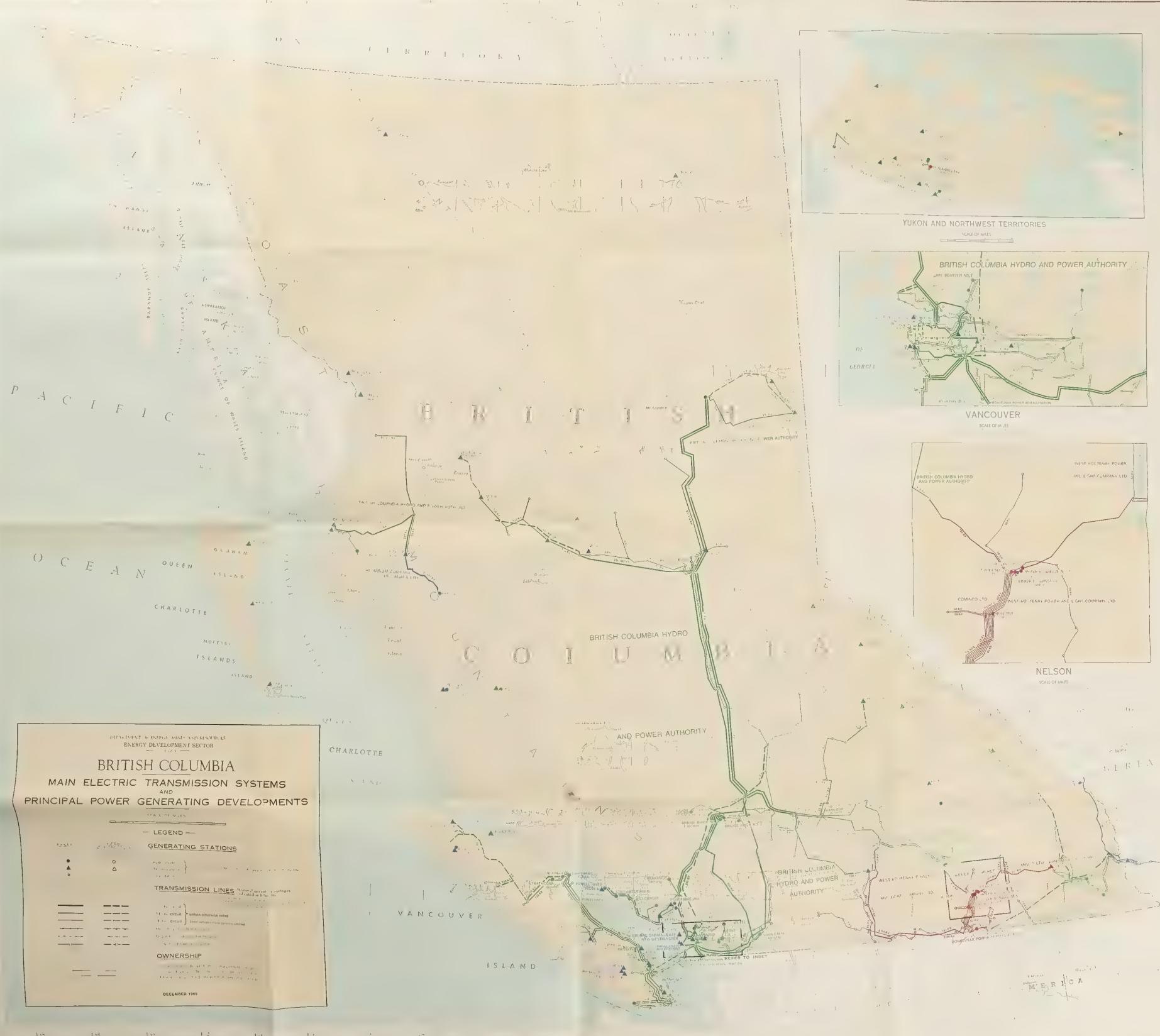
|                    |        |
|--------------------|--------|
| Total (all plants) | 34,363 |
|--------------------|--------|

|                                  |        |
|----------------------------------|--------|
| Combined Hydro and Thermal Total | 69,723 |
|----------------------------------|--------|



## OWNER CODE INDEX

| CODE       | OWNER                                                                      |
|------------|----------------------------------------------------------------------------|
| ACL.....   | Anaconda Company (Canada) Limited                                          |
| ALCAN..... | Aluminum Company of Canada Limited                                         |
| BCFP.....  | British Columbia Forest Products Limited                                   |
| BCHPA..... | British Columbia Hydro and Power Authority                                 |
| BCSRC..... | British Columbia Sugar Refining Company Limited                            |
| CAC.....   | Cassiar Asbestos Corporation Limited                                       |
| CCC.....   | Columbia Cellulose Company Limited                                         |
| CFP.....   | Canadian Forest Products Limited                                           |
| CMSC.....  | Cominco Limited                                                            |
| CN.....    | City of Nelson                                                             |
| COR.....   | City of Revelstoke                                                         |
| CTMC.....  | Canada Tungsten Mining Corporation Limited                                 |
| CZB.....   | Crown Zellerbach Building Materials Limited                                |
| CZC.....   | Crown Zellerbach Canada Limited                                            |
| EFC.....   | Elk Falls Company Limited                                                  |
| ELS.....   | Eagle Lake Sawmills Company Limited                                        |
| EM.....    | Endako Mines Limited                                                       |
| EMR.....   | Eldorado Mining and Refining Limited                                       |
| GM.....    | Granduc Mines Limited                                                      |
| HLC.....   | Hillcrest Lumber Company Limited                                           |
| HSL.....   | Hazelton Sawmills Limited                                                  |
| JIOC.....  | Jedway Iron Ore Company Limited                                            |
| KHFP.....  | Kicking Horse Forest Products Limited                                      |
| MBPR.....  | MacMillan Bloedel and Powell River Limited                                 |
| NCPC.....  | Northern Canada Power Commission                                           |
| NP.....    | Northwood Pulp Company                                                     |
| PP.....    | Pacific Petroleum Company Limited<br>(now West Coast Transmission Company) |
| RC.....    | Rayonier Canada (BC) Limited                                               |
| SMS.....   | S. M. Simpson Limited                                                      |
| TCL.....   | Tahsis Company Limited                                                     |
| WCL.....   | Weldwood of Canada Limited                                                 |
| WFI.....   | Western Forest Industries Limited                                          |
| WFM.....   | Wesfrob Mines Limited                                                      |
| WKPL.....  | West Kootenay Power and Light Company Limited                              |
| WM.....    | Western Mines Limited                                                      |
| YEC.....   | Yukon Electrical Company Limited                                           |
| ZIM.....   | Zeballos Iron Mines Limited                                                |



Energy Development Se  
**DEPARTMENT OF ENERGY, MINES AND RESOU**  
**OTTAWA, CAN.**

Dept. of Energy

Supply Board

# ONTARIO

AI MT 51

S22



electric power in canada  
map supplement

1969



CHARTER

522

TRANSMISSION  
AND  
GENERATING FACILITIES

---

Ontario

ENERGY DEVELOPMENT SECTOR  
DEPARTMENT OF ENERGY, MINES AND RESOURCES

INDEX OF FUELS FOR THERMAL DEVELOPMENTS

|                 |   |
|-----------------|---|
| Gas             | a |
| Oil             | b |
| Wood Waste      | c |
| Coal            | d |
| Coke            | e |
| Waste Heat      | f |
| Coke Oven Gas   | g |
| Uranium Dioxide | h |
| Grain Refuse    | i |
| Flare Gas       | j |

# Ontario

## HYDRO

| No. | Development                                      | River         | Owner | Year<br>Installed |                | Rated<br>Head<br>ft.     | No.<br>of<br>Units | Turbines                             |                          | Generators                           |                          |           |
|-----|--------------------------------------------------|---------------|-------|-------------------|----------------|--------------------------|--------------------|--------------------------------------|--------------------------|--------------------------------------|--------------------------|-----------|
|     |                                                  |               |       | First<br>Unit     | Latest<br>Unit |                          |                    | Unit<br>Capacity<br>hp.              | Total<br>Capacity<br>hp. | Unit<br>Capacity<br>kw.              | Total<br>Capacity<br>kw. |           |
| 1   | Sir Adam Beck - Niagara Generating Station No. 1 | Niagara       | HEPCO | 1922              | 1930           | 305<br>294<br>294<br>294 | 5<br>2<br>1<br>2   | 55,000<br>58,000<br>58,000<br>58,000 | 565,000                  | 36,000<br>43,200<br>44,000<br>46,750 | 403,900                  |           |
| 2   | Generating Station No. 2                         |               |       |                   | 1954           | 1958                     | 292                | 16                                   | 105,000                  | 1,680,000                            | 76,475                   | 1,223,600 |
| 3   | Pumping-Generating Station                       |               |       |                   | 1957           | 1958                     | 85                 | 6                                    | 46,000                   | 276,000                              | 29,450                   | 176,700   |
| 4   | Robert H. Saunders - St. Lawrence                | St. Lawrence  | HEPCO | 1958              | 1959           | 81                       | 16                 | 75,000                               | 1,200,000                | 57,000                               | 912,000                  |           |
| 5   | Des Joachims                                     | Ottawa        | HEPCO | 1950              | 1951           | 130                      | 8                  | 62,000                               | 496,000                  | 45,000                               | 360,000                  |           |
| 6   | Abitibi Canyon                                   | Abitibi       | HEPCO | 1933              | 1959           | 237                      | 3<br>2             | 66,000<br>66,000                     | 330,000                  | 41,225<br>43,200                     | 210,075                  |           |
| 7   | Otto Holden                                      | Ottawa        | HEPCO | 1952              | 1953           | 77                       | 4<br>4             | 35,000<br>33,000                     | 272,000                  | 25,650<br>25,650                     | 205,200                  |           |
| 8   | Otter Rapids                                     | Abitibi       | HEPCO | 1961              | 1963           | 107                      | 4                  | 60,000                               | 240,000                  | 43,700                               | 174,800                  |           |
| 9   | Stewartville                                     | Madawaska     | HEPCO | 1948              | 1969           | 148                      | 3<br>2             | 28,000<br>68,000                     | 220,000                  | 20,400<br>45,900                     | 153,000                  |           |
| 10  | Barrett Chute                                    | Madawaska     | HEPCO | 1942              | 1942           | 150                      | 2<br>2             | 28,000<br>84,000                     | 224,000                  | 20,400<br>55,800                     | 152,400                  |           |
| 11  | Mountain Chute                                   | Madawaska     | HEPCO | 1967              | 1967           | 151                      | 2                  | 112,000                              | 224,000                  | 69,750                               | 139,500                  |           |
| 12  | Aubrey Falls                                     | Mississaga    | HEPCO | 1969              | 1969           | 173                      | 2                  | 100,000                              | 200,000                  | 75,075                               | 130,150                  |           |
| 13  | Harmon                                           | Mattagami     | HEPCO | 1965              | 1965           | 101                      | 2                  | 94,000                               | 188,000                  | 64,600                               | 129,200                  |           |
| 14  | Pine Portage                                     | Nipigon       | HEPCO | 1950              | 1954           | 105                      | 2<br>2             | 41,000<br>45,000                     | 172,000                  | 29,700<br>34,650                     | 128,700                  |           |
| 15  | Kipling                                          | Mattagami     | HEPCO | 1966              | 1966           | 102                      | 2                  | 94,000                               | 188,000                  | 62,700                               | 125,400                  |           |
| 16  | Chenaux                                          | Ottawa        | HEPCO | 1950              | 1951           | 40                       | 8                  | 21,000                               | 168,000                  | 15,300                               | 122,400                  |           |
| 17  | Little Long                                      | Mattagami     | HEPCO | 1963              | 1963           | 90                       | 2                  | 84,000                               | 168,000                  | 60,800                               | 121,600                  |           |
| 18  | Decew Falls No. 2                                | Welland Canal | HEPCO | 1943              | 1947           | 280                      | 2                  | 75,000                               | 150,000                  | 57,600                               | 115,200                  |           |
| 19  | Ontario Power                                    | Niagara       | HEPCO | 1905              | 1919           | -                        | 3<br>4<br>5        | 11,700<br>11,700<br>13,400           | 148,900                  | 7,500<br>8,770<br>8,775              | 101,455                  |           |
| 20  | Rankine                                          | Niagara       | CNPC  | 1904              | 1924           | 133                      | 5<br>2<br>3<br>1   | 10,000<br>12,500<br>10,750<br>12,000 | 119,250                  | 7,500<br>9,375<br>9,375<br>10,300    | 94,675                   |           |
| 21  | Toronto Power                                    | Niagara       | HEPCO | 1906              | 1915           | -                        | 7<br>4             | 15,000<br>13,000                     | 157,000                  | 9,000<br>7,200                       | 91,800                   |           |
| 22  | Chats Falls                                      | Ottawa        | HEPCO | 1931              | 1931           | 53                       | 4                  | 28,000                               | 112,000                  | 22,325                               | 89,300                   |           |
| 23  | Caribou Falls                                    | English       | HEPCO | 1958              | 1958           | 58                       | 3                  | 34,000                               | 102,000                  | 25,650                               | 76,950                   |           |
| 24  | Cameron Falls                                    | Nipigon       | HEPCO | 1920              | 1958           | 72<br>72<br>73           | 2<br>4<br>1        | 12,500<br>12,500<br>25,000           | 100,000                  | 9,540<br>8,480<br>19,000             | 72,000                   |           |

**HYDRO**

| No. | Development         | River                      | Owner | Year<br>Installed |                | Rated<br>Head<br>ft. | No.<br>of<br>Units | Turbines                |                          | Generators              |                          |
|-----|---------------------|----------------------------|-------|-------------------|----------------|----------------------|--------------------|-------------------------|--------------------------|-------------------------|--------------------------|
|     |                     |                            |       | First<br>Unit     | Latest<br>Unit |                      |                    | Unit<br>Capacity<br>hp. | Total<br>Capacity<br>hp. | Unit<br>Capacity<br>kw. | Total<br>Capacity<br>kw. |
| 25  | Manitou Falls       | English                    | HEPCO | 1956              | 1958           | 54                   | 5                  | 18,500                  | 92,500                   | 14,400                  | 72,000                   |
| 26  | Alexander           | Nipigon                    | HEPCO | 1930              | 1958           | 60                   | 3                  | 18,000                  | 19,000                   | 12,750                  | 13,500                   |
| 27  | Whitedog Falls      | Winnipeg                   | HEPCO | 1958              | 1958           | 50                   | 3                  | 27,000                  | 81,000                   | 21,600                  | 64,800                   |
| 28  | Smoky Falls         | Mattagami                  | SFPPC | 1928              | 1931           | 113                  | 4                  | 18,750                  | 75,000                   | 13,200                  | 52,800                   |
| 29  | Silver Falls        | Kaministikwia              | HEPCO | 1959              | -              | 330                  | 1                  | 60,000                  | 60,000                   | 45,000                  | 45,000                   |
| 30  | Geo. W. Rayner      | Mississagi                 | HEPCO | 1950              | 1950           | 210                  | 2                  | 29,000                  | 58,000                   | 21,150                  | 42,300                   |
| 31  | Upper Falls         | Montreal                   | GLPC  | 1937              | 1957           | 232                  | 2                  | 12,600                  | 31,000                   | 9,000                   | 22,500                   |
| 32  | Aguasabon           | Aguasabon                  | HEPCO | 1948              | 1948           | 290                  | 2                  | 27,500                  | 55,000                   | 20,250                  | 40,500                   |
| 33  | Red Rock Falls      | Mississagi                 | HEPCO | 1960              | 1961           | 93                   | 2                  | 26,500                  | 53,000                   | 20,250                  | 40,500                   |
| 34  | Island Falls        | Abitibi                    | APPC  | 1924              | 1925           | 63                   | 4                  | 12,000                  | 48,000                   | 9,600                   | 38,400                   |
| 35  | DeCew Falls No. 1   | Welland Canal              | HEPCO | 1901              | 1913           | -                    | 1                  | 6,000                   |                          | 4,800                   |                          |
|     |                     |                            |       |                   |                |                      | 1                  | 6,000                   |                          | 5,000                   |                          |
|     |                     |                            |       |                   |                |                      | 2                  | 6,000                   |                          | 5,300                   |                          |
|     |                     |                            |       |                   |                |                      | 1                  | 6,000                   |                          | 5,600                   |                          |
|     |                     |                            |       |                   |                |                      | 1                  | 6,000                   | 36,000                   | 5,900                   | 31,900                   |
| 36  | Kakabeka Falls      | Kaministikwia              | HEPCO | 1906              | 1914           | 178                  | 3                  | 7,500                   |                          | 5,400                   |                          |
|     |                     |                            |       |                   |                |                      | 1                  | 12,500                  | 35,000                   | 7,970                   | 24,170                   |
| 37  | High Falls          | Michipicoten               | GLPC  | 1930              | 1950           | 147                  | 2                  | 11,000                  |                          | 6,750                   |                          |
|     |                     |                            |       |                   |                |                      | 1                  | 13,200                  | 35,200                   | 9,675                   | 23,175                   |
| 38  | Big Eddy            | Spanish                    | HCL   | 1929              | 1929           | 90                   | 3                  | 9,400                   | 28,200                   | 7,200                   | 21,600                   |
| 39  | Sault Ste. Marie    | St. Mary                   | GLPC  | 1918              | 1931           | 18.5                 | 24                 | 900                     |                          | 650                     |                          |
|     |                     |                            |       |                   |                |                      | 3                  | 2,400                   |                          | 1,440                   |                          |
|     |                     |                            |       |                   |                |                      | 1                  | 2,200                   | 31,000                   | 1,600                   | 21,520                   |
| 40  | Iroquois Falls      | Abitibi Lake & Black River | APPC  | 1949              | 1949           | 43                   | 1                  | 1,800                   |                          | 1,200                   |                          |
|     |                     |                            |       |                   |                |                      | 1                  | 1,800                   |                          | 1,280                   |                          |
|     |                     |                            |       |                   |                |                      | 1                  | 2,200                   |                          | 1,200                   |                          |
|     |                     |                            |       |                   |                |                      | 6                  | 2,200                   |                          | 1,280                   |                          |
|     |                     |                            |       |                   |                |                      | 5                  | 2,400                   | 31,000                   | 2,025                   | 21,485                   |
| 41  | Twin Falls          | Abitibi                    | APPC  | 1921              | 1925           | 57.5                 | 5                  | 6,000                   | 30,000                   | 4,050                   | 20,250                   |
| 42  | Gartshore           | Montreal                   | GLPC  | 1958              | -              | 112                  | 1                  | 30,300                  | 30,300                   | 20,000                  | 20,000                   |
| 43  | Hollingsworth Falls | Michipicoten               | GLPC  | 1959              | -              | 108                  | 1                  | 30,300                  | 30,300                   | 20,000                  | 20,000                   |
| 44  | Ear Falls           | English                    | HEPCO | 1930              | 1948           | 36                   | 1                  | 5,000                   |                          | 4,000                   |                          |
|     |                     |                            |       |                   |                |                      | 1                  | 5,000                   |                          | 3,825                   |                          |
|     |                     |                            |       |                   |                |                      | 2                  | 7,500                   | 25,000                   | 5,400                   | 18,625                   |
| 45  | High Falls          | Spanish                    | HCL   | 1905              | 1966           | 85                   | 4                  | 4,000                   |                          | 3,000                   |                          |
|     |                     |                            |       |                   |                |                      | 1                  | 7,500                   | 23,500                   | 5,550                   | 17,550                   |
| 46  | Norman              | Winnipeg (West Branch)     | OMPP  | 1925              | 1925           | 22                   | 5                  | 3,400                   | 17,000                   | 3,300                   | 16,500                   |

HYDRO

| No. | Development          | River         | Owner | Year Installed |             | Rated Head ft. | No. of Units | Turbines                                           |                    | Generators                                         |                    |
|-----|----------------------|---------------|-------|----------------|-------------|----------------|--------------|----------------------------------------------------|--------------------|----------------------------------------------------|--------------------|
|     |                      |               |       | First Unit     | Latest Unit |                |              | Unit Capacity hp.                                  | Total Capacity hp. | Unit Capacity kw.                                  | Total Capacity kw. |
| 47  | Lower Falls          | Montreal      | GLPC  | 1938           | 1942        | 185            | 2            | 10,900                                             | 21,800             | 8,100                                              | 16,200             |
| 48  | Hogg                 | Montreal      | GLPC  | 1965           | -           | 77             | 1            | 21,750                                             | 21,750             | 15,000                                             | 15,000             |
| 49  | Espanola             | Spanish       | KVPC  | 1906           | 1946        | 64<br>64<br>64 | 4<br>1<br>1  | 1,675<br>10,000<br>2,350                           | 19,050             | 1,250<br>7,500<br>1,750                            | 14,250             |
| 50  | Scott Falls          | Michipicoten  | GLPC  | 1952           | 1952        | 70             | 2            | 10,000                                             | 20,000             | 6,800                                              | 13,600             |
| 51  | Fort Frances         | Rainy         | OMPP  | 1955           | 1955        | 28             | 8            | 2,000                                              | 16,000             | 1,600                                              | 12,800             |
| 52  | Welland Canal        | Welland Canal | STLSA | 1932           | 1932        | 160            | 3            | 5,000                                              | 15,000             | 4,000                                              | 12,000             |
| 53  | Wawatigin            | Mattagami     | HEPCO | 1912           | 1918        | 125            | 2            | 3,450<br>4,000                                     | 14,900             | 2,500<br>3,375                                     | 11,750             |
| 54  | Kenora               | Winnipeg      | OMPP  | 1923           | 1924        | 22             | 4            | 1,200<br>1,200                                     | 12,000             | 1,000<br>1,250                                     | 11,500             |
| 55  | Heely Falls          | Trent         | HEPCO | 1915           | 1919        | 73             | 2            | 5,600<br>5,600                                     | 16,800             | 3,750<br>3,000                                     | 10,500             |
| 56  | McPhail Falls        | Michipicoten  | GLPC  | 1954           | 1954        | 48             | 2            | 7,500                                              | 15,000             | 5,000                                              | 10,000             |
| 57  | Upper Notch          | Montreal      | HEPCO | 1930           | 1930        | 48             | 2            | 6,500                                              | 13,000             | 4,800                                              | 9,600              |
| 58  | Calm Lake            | Seine         | OMPP  | 1928           | 1928        | 82             | 2            | 6,400                                              | 12,800             | 4,675                                              | 9,350              |
| 59  | Sturgeon Falls       | Sturgeon      | APPC  | 1902           | 1964        | 40.5           | 1            | 2,500<br>1,000<br>1,500<br>1,500<br>1,500<br>1,000 | 9,000              | 1,800<br>1,685<br>1,350<br>1,685<br>1,415<br>1,415 | 9,350              |
| 60  | Eddy                 | Ottawa        | EBEC  | 1909           | 1912        | 38             | 2            | 4,650<br>4,650                                     | 13,950             | 3,000<br>3,300                                     | 9,300              |
| 61  | Crystal Falls        | Sturgeon      | HEPCO | 1921           | 1921        | 33             | 4            | 2,600                                              | 10,400             | 2,020                                              | 8,080              |
| 62  | Ranney Falls         | Trent         | HEPCO | 1922           | 1926        | -              | 1            | 1,000<br>5,000                                     | 11,000             | 720<br>3,600                                       | 7,920              |
| 63  | Chaudière Falls No.4 | Ottawa        | OEBC  | 1931           | 1931        | 38             | 2            | 5,400                                              | 10,800             | 3,960                                              | 7,920              |
| 64  | Big Eddy             | Muskoka       | HEPCO | 1941           | 1941        | 38             | 2            | 5,280                                              | 10,560             | 3,825                                              | 7,650              |
| 65  | Ragged Rapids        | Muskoka       | HEPCO | 1938           | 1938        | 38             | 2            | 5,200                                              | 10,400             | 3,825                                              | 7,650              |
| 66  | Sturgeon Falls       | Seine         | OMPP  | 1927           | 1927        | 64             | 2            | 5,000                                              | 10,000             | 3,825                                              | 7,650              |
| 67  | Matabitchuan         | Matabitchuan  | HEPCO | 1910           | 1910        | 305            | 4            | 3,300                                              | 13,200             | 1,690                                              | 6,760              |
| 68  | Swift Rapids         | Severn        | OWLP  | 1916           | 1966        | 47             | 1            | 2,120<br>3,500                                     | 9,120              | 1,350<br>2,700                                     | 6,750              |
| 69  | Lower Sturgeon       | Mattagami     | HEPCO | 1923           | 1923        | 42             | 2            | 4,000                                              | 8,000              | 3,200                                              | 6,400              |
| 70  | Smooth Rock          | Mattagami     | APPC  | 1916           | 1916        | 45             | 2            | 4,500                                              | 9,000              | 3,125                                              | 6,250              |
| 71  | Eugenia              | Beaver        | HEPCO | 1915           | 1920        | 550            | 2            | 2,250<br>4,000                                     | 8,500              | 1,200<br>2,400                                     | 4,800              |

**HYDRO**

| No. | Development           | River         | Owner  | Year<br>Installed |                | Rated<br>Head<br>ft. | No.<br>of<br>Units | Turbines                |                          | Generators              |                          |
|-----|-----------------------|---------------|--------|-------------------|----------------|----------------------|--------------------|-------------------------|--------------------------|-------------------------|--------------------------|
|     |                       |               |        | First<br>Unit     | Latest<br>Unit |                      |                    | Unit<br>Capacity<br>hp. | Total<br>Capacity<br>hp. | Unit<br>Capacity<br>kw. | Total<br>Capacity<br>kw. |
| 72  | Meyersburg            | Trent         | HIEPCO | 1924              | 1924           | 32                   | 3                  | 2,200                   | 6,600                    | 1,600                   | 4,800                    |
| 73  | Nairn                 | Spanish       | HCL    | 1917              | 1919           | 30                   | 3                  | 2,600                   | 7,800                    | 1,500                   | 4,500                    |
| 74  | Chaudière Falls No. 2 | Ottawa        | OHEC   | 1909              | 1936           | 40                   | 3                  | 2,300                   | 6,900                    | 1,462                   | 4,386                    |
| 75  | Peterborough          | Otonabee      | PHPC   | 1902              | 1950           | 27                   | 1                  | 2,300                   |                          | 1,200                   |                          |
|     |                       |               |        |                   |                |                      | 1                  | 2,550                   |                          | 1,500                   |                          |
|     |                       |               |        |                   |                |                      | 1                  | 2,140                   | 6,990                    | 1,400                   | 4,100                    |
| 76  | Coniston              | Wanapitei     | HIEPCO | 1905              | 1915           | 53                   | 1                  | 1,200                   |                          | 720                     |                          |
|     |                       |               |        |                   |                |                      | 1                  | 1,600                   |                          | 1,125                   |                          |
|     |                       |               |        |                   |                |                      | 1                  | 3,500                   | 6,300                    | 2,250                   | 4,095                    |
| 77  | Stinson               | Wanapitei     | HIEPCO | 1925              | 1925           | -                    | 2                  | 3,500                   | 7,000                    | 2,000                   | 4,000                    |
| 78  | Calabogie             | Madawaska     | HIEPCO | 1917              | 1917           | 30                   | 2                  | 3,000                   | 6,000                    | 2,000                   | 4,000                    |
| 79  | Big Chute             | Severn        | HIEPCO | 1911              | 1919           | 56                   | 3                  | 1,300                   |                          | 900                     |                          |
|     |                       |               |        |                   |                |                      | 1                  | 2,300                   | 6,200                    | 1,280                   | 3,980                    |
| 80  | South Falls           | South Muskoka | HIEPCO | 1916              | 1925           | 107                  | 1                  | 1,000                   |                          | 635                     |                          |
|     |                       |               |        |                   |                |                      | 2                  | 2,200                   | 5,400                    | 1,600                   | 3,835                    |
| 81  | Wabagishik            | Vermilion     | HCL    | 1912              | 1935           | 70                   | 1                  | 2,700                   |                          | 1,600                   |                          |
|     |                       |               |        |                   |                |                      | 1                  | 2,700                   | 5,400                    | 2,140                   | 3,740                    |
| 82  | Minden                | Gull          | OWLP   | 1935              | 1935           | 66                   | 2                  | 2,600                   | 5,200                    | 1,800                   | 3,600                    |
| 83  | Sandy Falls           | Mattagami     | HIEPCO | 1911              | 1916           | 32                   | 2                  | 1,200                   |                          | 950                     |                          |
|     |                       |               |        |                   |                | 34                   | 1                  | 2,500                   | 4,900                    | 1,595                   | 3,495                    |
| 84  | Hagues Reach          | Trent         | HIEPCO | 1925              | 1925           | 22.5                 | 3                  | 1,600                   | 4,800                    | 1,120                   | 3,360                    |
| 85  | Indian Chute          | Montreal      | HIEPCO | 1923              | 1924           | 45                   | 2                  | 2,250                   | 4,500                    | 1,620                   | 3,240                    |
| 86  | Sidney                | Trent         | HIEPCO | 1911              | 1911           | 20                   | 4                  | 1,400                   | 5,600                    | 795                     | 3,180                    |
| 87  | Seymour               | Trent         | HIEPCO | 1909              | 1911           | 23                   | 4                  | 1,100                   |                          | 600                     |                          |
|     |                       |               |        |                   |                |                      | 1                  | 1,100                   | 5,500                    | 750                     | 3,150                    |
| 88  | Mathias               | Muskoka       | OWLP   | 1950              | -              | 43                   | 1                  | 3,770                   | 3,770                    | 2,812                   | 2,812                    |
| 89  | Hound Chute           | Montreal      | HIEPCO | 1910              | 1911           | -                    | 4                  | 1,335                   | 5,340                    | 700                     | 2,800                    |
| 90  | Kapuskasing           | Kapuskasing   | SFPPC  | 1923              | -              | 30                   | 1                  | 2,500                   | 2,500                    | 2,750                   | 2,750                    |
| 91  | Frankford             | Trent         | HIEPCO | 1913              | 1913           | 18                   | 4                  | 1,200                   | 4,800                    | 650                     | 2,600                    |
| 92  | Jones Falls           | Rideau Canal  | GELW   | 1948              | 1950           | 65                   | 1                  | 250                     |                          | 180                     |                          |
|     |                       |               |        |                   |                | 58                   | 2                  | 1,037                   |                          | 800                     |                          |
|     |                       |               |        |                   |                | 58                   | 1                  | 1,500                   | 3,824                    | 800                     | 2,580                    |
| 93  | Sills Island          | Trent         | HIEPCO | 1926              | 1926           | 14                   | 1                  | 1,000                   |                          | 1,275                   |                          |
|     |                       |               |        |                   |                |                      | 1                  | 1,000                   | 2,000                    | 1,020                   | 2,295                    |
| 94  | McVittie              | Wanapitei     | HIEPCO | 1912              | 1912           | 42                   | 2                  | 1,800                   | 3,600                    | 1,125                   | 2,250                    |
| 95  | Nassau                | Otonabee      | CGEC   | 1902              | 1926           | 16                   | 1                  | 1,600                   |                          | 1,500                   |                          |
|     |                       |               |        |                   |                |                      | 2                  | 700                     | 3,000                    | 360                     | 2,220                    |
| 96  | High Falls            | Mississippi   | HIEPCO | 1920              | 1920           | 82                   | 3                  | 1,240                   | 3,720                    | 700                     | 2,100                    |

# HYDRO

| No.                                                                   | Development     | River         | Owner | Year Installed |             | Rated Head ft. | No. of Units | Turbines          |                    | Generators        |                    |
|-----------------------------------------------------------------------|-----------------|---------------|-------|----------------|-------------|----------------|--------------|-------------------|--------------------|-------------------|--------------------|
|                                                                       |                 |               |       | First Unit     | Latest Unit |                |              | Unit Capacity hp. | Total Capacity hp. | Unit Capacity kw. | Total Capacity kw. |
| 97                                                                    | Nipissing       | South         | HEPCO | 1909           | 1909        | -              | 1            | 1,250<br>1,250    | 2,500              | 1,000<br>1,050    | 2,050              |
| 98                                                                    | Lakefield       | Otonabee      | HEPCO | 1928           | -           | 16             | 1            | 3,100             | 3,100              | 2,000             | 2,000              |
| 99                                                                    | Fountain Falls  | Montreal      | HEPCO | 1914           | 1914        | 30             | 2            | 1,500             | 3,000              | 1,000             | 2,000              |
| 100                                                                   | Rideau Falls    | Rideau        | DPW   | 1909           | 1909        | 47             | 2            | 1,500             | 3,000              | 1,000             | 2,000              |
| 101                                                                   | Crow Bay        | Trent Canal   | CPUC  | 1909           | 1911        | -              | 1            | 1,470<br>1,000    | 2,470              | 1,125<br>850      | 1,975              |
| 102                                                                   | Auburn          | Otonabee      | HEPCO | 1911           | 1912        | 18             | 3            | 950               | 2,850              | 625               | 1,875              |
| 103                                                                   | Current River   | Current       | TBH   | 1902           | 1906        | 80             | 2            | 450<br>1,200      | 2,100              | 350<br>1,100      | 1,800              |
| 104                                                                   | Eagle           | Eagle         | DPC   | 1928           | -           | 37             | 1            | 2,000             | 2,000              | 1,760             | 1,760              |
| 105                                                                   | Trethewey Falls | South Muskoka | HEPCO | 1929           | -           | 35             | 1            | 2,300             | 2,300              | 1,600             | 1,600              |
| Total capacity of plants under 1,500 kw.                              |                 |               |       |                |             |                |              | 30,086            |                    | 21,244            |                    |
| Total capacity of turbines connected directly to mechanical equipment |                 |               |       |                |             |                |              | 27,375            |                    |                   |                    |
| Total (all plants)                                                    |                 |               |       |                |             |                |              | 9,263,805         |                    | 6,634,032         |                    |

# THERMAL

| No. | Station          | Location     | Owner | Year Installed      |             | Fuel | Type of Prime Mover | Generators |                   |                    |
|-----|------------------|--------------|-------|---------------------|-------------|------|---------------------|------------|-------------------|--------------------|
|     |                  |              |       | First Unit          | Latest Unit |      |                     | No.        | Unit Capacity kw. | Total Capacity kw. |
| 1   | Lakeview         | Toronto      | HEPCO | 1961                | 1966        | b,d  | S                   | 8          | 300,000           |                    |
| 2   | Richard L. Hearn | Toronto      | HEPCO | 1951                | 1966        | d    | CT                  | 4          | 7,500             | 2,430,000          |
| 3   | Lambton          | Sarnia       | HEPCO | 1967                | 1969        | d    | S                   | 4          | 100,000<br>4      | 200,000            |
| 4   | J. Clark Keith   | Windsor      | HEPCO | 1951                | 1967        | b,d  | S                   | 4          | 66,000            |                    |
| 5   | Douglas Point    | Kincardine   | HEPCO | 1966                | -           | h    | CT                  | 1          | 7,500             | 271,500            |
| 6   | Thunder Bay      | Fort William | HEPCO | 1963                | -           | d    | S                   | 1          | 200,000           | 200,000            |
| 7   | Dotweiler        | Kitchener    | HEPCO | 1967                | 1967        | b    | CT                  | 2          | 14,150            | 128,300            |
|     |                  |              |       | Gas Turbine         |             |      | GT                  |            |                   |                    |
|     |                  |              |       | Internal Combustion |             |      | IC                  |            |                   |                    |
|     |                  |              |       | Steam               |             |      | S                   |            |                   |                    |
|     |                  |              |       | Combustion Turbine  |             |      | CT                  |            |                   |                    |

# THERMAL

| No. | Station                               | Location         | Owner | Year<br>Installed |                | Fuel  | Type<br>of<br>Prime<br>Mover | Generators |                         |                          |
|-----|---------------------------------------|------------------|-------|-------------------|----------------|-------|------------------------------|------------|-------------------------|--------------------------|
|     |                                       |                  |       | First<br>Unit     | Latest<br>Unit |       |                              | No.        | Unit<br>Capacity<br>kw. | Total<br>Capacity<br>kw. |
| 8   | A.W. Manby                            | Toronto          | HEPCO | 1965              | 1966           | b     | CT                           | 4          | 16,320                  | 65,280                   |
| 9   | Windsor                               | Windsor          | FMCC  | 1936              | 1952           | d     | S                            | 1          | 10,000                  |                          |
|     |                                       |                  |       |                   |                |       |                              | 1          | 4,000                   |                          |
|     |                                       |                  |       |                   |                |       |                              | 2          | 25,000                  | 64,000                   |
| 10  | Sarnia-Scott                          | Sarnia           | HEPCO | 1965              | 1966           | b     | CT                           | 2          | 15,000                  |                          |
|     |                                       |                  |       |                   |                |       |                              | 2          | 16,320                  | 62,640                   |
| 11  | Sarnia                                | Sarnia           | PC    | 1943              | 1956           | b,d   | S                            | 1          | 10,000                  |                          |
|     |                                       |                  |       |                   |                |       |                              | 1          | 5,000                   |                          |
|     |                                       |                  |       |                   |                |       |                              | 1          | 4,000                   |                          |
|     |                                       |                  |       |                   |                |       |                              | 1          | 13,200                  | 32,280                   |
| 12  | Sault Ste. Marie                      | Sault Ste. Marie | ASC   | 1942              | 1963           | a,b,d | S                            | 2          | 12,500                  |                          |
|     |                                       |                  |       |                   |                |       |                              | 2          | 625                     | 26,250                   |
| 13  | Fort William                          | Fort William     | GLPAC | 1928              | -              | a,c,d |                              | 1          | 4,000                   |                          |
|     |                                       |                  |       |                   |                |       |                              | 1          | 5,000                   |                          |
|     |                                       |                  |       |                   |                |       |                              | 1          | 17,100                  | 26,100                   |
| 14  | Kapuskasing                           | Kapuskasing      | SFPPC | 1928              | 1958           | a,c,d | S                            | 2          | 650                     |                          |
|     |                                       |                  |       |                   |                |       |                              | 1          | 12,500                  |                          |
|     |                                       |                  |       |                   |                |       |                              | 1          | 9,100                   | 22,900                   |
| 15  | Nuclear Power De-<br>monstration Unit | Rolphhton        | AECL  | 1962              | -              | h     | S                            | 1          | 20,000                  | 20,000                   |
| 16  | Marathon                              | Marathon         | ACC   | 1946              | 1948           | b,d   | S                            | 1          | 7,500                   |                          |
|     |                                       |                  |       |                   |                |       |                              | 2          | 4,000                   | 15,500                   |
| 17  | Amherstburg                           | Amherstburg      | ACCL  | 1938              | 1957           | d     | S                            | 1          | 2,500                   |                          |
|     |                                       |                  |       |                   |                |       |                              | 1          | 4,700                   |                          |
|     |                                       |                  |       |                   |                |       |                              | 1          | 3,750                   | 10,950                   |
| 18  | Hamilton                              | Hamilton         | SCC   | 1948              | 1959           | a,b,g | S                            | 1          | 4,000                   |                          |
|     |                                       |                  |       |                   |                |       |                              | 1          | 6,000                   | 10,000                   |
| 19  | Thorold                               | Thorold          | OPC   | 1937              | 1937           | a,d   | S                            | 2          | 4,000                   | 8,000                    |
| 20  | Dryden                                | Dryden           | DPC   | 1954              | -              | a,d   | S                            | 1          | 6,000                   | 6,000                    |
| 21  | Station No. 6                         | Gananoque        | GELW  | 1959              | 1967           | a     | IC                           | 2          | 1,360                   |                          |
|     |                                       |                  |       |                   |                |       |                              | 1          | 1,200                   |                          |
|     |                                       |                  |       |                   |                |       |                              | 1          | 1,250                   | 5,170                    |
| 22  | Walkerville                           | Walkerville      | HWS   | 1924              | 1955           | d     | S                            | 2          | 1,000                   |                          |
|     |                                       |                  |       |                   |                |       |                              | 1          | 2,500                   |                          |
|     |                                       |                  |       |                   |                |       |                              | 1          | 625                     | 5,125                    |
| 23  | Strathcona                            | Strathcona       | SP    | 1955              | 1955           | d     | S                            | 2          | 1,655                   | 3,310                    |
| 24  | Chatham                               | Chatham          | CDSC  | 1946              | 1946           | d     | S                            | 2          | 1,500                   | 3,000                    |
| 25  | Fort Frances                          | Fort Frances     | OMPP  | 1927              | -              | d     | S                            | 1          | 3,000                   | 3,000                    |

|                     |    |                      |
|---------------------|----|----------------------|
| Gas Turbine         | GT | Turbine à Gaz        |
| Internal Combustion | IC | Combustion Interne   |
| Steam               | S  | Vapeur               |
| Combustion Turbine  | CT | Turbine à Combustion |

# THERMAL

| No.                                                            | Station      | Location     | Owner | Year Installed |             | Fuel  | Type of Prime Mover | Generators  |                   |                    |
|----------------------------------------------------------------|--------------|--------------|-------|----------------|-------------|-------|---------------------|-------------|-------------------|--------------------|
|                                                                |              |              |       | First Unit     | Latest Unit |       |                     | No.         | Unit Capacity kw. | Total Capacity kw. |
| 26                                                             | Blind River  | Blind River  | MFLG  | 1927           | 1927        | c     | s                   | 1           | 750<br>2,000      | 2,750              |
| 27                                                             | Toronto      | Toronto      | CDSC  | 1959           | -           | a,b,d | s                   | 1           | 2,500             | 2,500              |
| 28                                                             | Toronto      | Toronto      | CCCC  | 1937           | -           | b,d   | s                   | 1           | 2,500             | 2,500              |
| 29                                                             | Ottawa       | Ottawa       | EBEC  | 1923           | -           | d     | s                   | 1           | 2,500             | 2,500              |
| 30                                                             | Port Arthur  | Port Arthur  | APPC  | 1928           | -           | a,c,d | s                   | 1           | 2,500             | 2,500              |
| 31                                                             | New Toronto  | New Toronto  | GTR   | 1940           | -           | b,d   | s                   | 1           | 2,500             | 2,500              |
| 32                                                             | Pembroke     | Pembroke     | PHEC  | 1929           | 1949        | b     | IC                  | 1<br>2      | 933<br>671        | 2,275              |
| 33                                                             | Orillia      | Orillia      | OWLP  | 1947           | 1948        | b     | IC                  | 1<br>1      | 1,000<br>1,136    | 2,136              |
| 34                                                             | Cardinal     | Cardinal     | CSC   | 1945           | 1964        | b     | IC                  | 3<br>1<br>1 | 320<br>640<br>500 | 2,100              |
| 35                                                             | Peterborough | Peterborough | CGEC  | 1930           | 1949        | d     | s                   | 1           | 2,000             | 2,000              |
| 36                                                             | Espanola     | Espanola     | KVPC  | 1947           | 1951        | d     | s                   | 1           | 2,000             | 2,000              |
| Total capacity of plants 1,500 kw. and over (not listed above) |              |              |       |                |             |       |                     |             |                   | 99,250             |
| Total capacity of plants under 1,500 kw.                       |              |              |       |                |             |       |                     |             |                   | 10,500             |
| Total (all plants)                                             |              |              |       |                |             |       |                     |             |                   | 5,880,096          |
| Combined Hydro and Thermal Total                               |              |              |       |                |             |       |                     |             |                   | 12,514,128         |

|                     |    |
|---------------------|----|
| Gas Turbine         | GT |
| Internal Combustion | IC |
| Steam               | S  |
| Combustion Turbine  | CT |



## **OWNER CODE INDEX**

| CODE       | OWNER                                              |
|------------|----------------------------------------------------|
| ACC.....   | American Can of Canada Limited                     |
| ACCL.....  | Allied Chemical Canada Limited                     |
| AECL.....  | Atomic Energy of Canada Limited                    |
| APPC.....  | Abitibi Power and Paper Company Limited            |
| ASC.....   | Algoma Steel Corporation Limited                   |
| CCCC.....  | Continental Can Company of Canada Limited          |
| CDSC.....  | Canada and Dominion Sugar Company Limited          |
| CGEC.....  | Canadian General Electric Company Limited          |
| CNPC.....  | Canadian Niagara Power Company Limited             |
| CPUC.....  | Campbellford Public Utilities Commission           |
| CSC.....   | Canada Starch Company Limited                      |
| DPC.....   | Dryden Paper Company Limited                       |
| DPW.....   | Department of Public Works, Government of Canada   |
| EBEC.....  | E. B. Eddy Company                                 |
| FMCC.....  | Ford Motor Company of Canada Limited               |
| GELW.....  | Gananoque Electric Light and Water Supply Co. Ltd. |
| GLPAC..... | Great Lakes Paper Company                          |
| GLPC.....  | Great Lakes Power Corporation Limited              |
| GTR.....   | Goodyear Tire and Rubber Company Limited           |
| HCL.....   | Huronian Company Limited                           |
| HEPCO..... | Hydro-Electric Power Commission of Ontario         |
| HWS.....   | Hiram Walker and Sons Limited                      |
| KVPC.....  | Kalamazoo Vegetable Parchment Company Limited      |
| MFLC.....  | McFadden Lumber Co. (Domtar)                       |
| OHEC.....  | Ottawa Hydro-Electric Commission                   |
| OMPP.....  | Ontario-Minnesota Pulp and Paper Company Limited   |
| OPC.....   | Ontario Paper Company                              |
| OWLP.....  | Orillia Water Light and Power Commission           |
| PAPUC..... | Port Arthur Public Utilities Commission            |
| PC.....    | Polymer Corporation                                |
| PELC.....  | Pembroke Electric Light Company Limited            |
| PHPC.....  | Peterborough Hydraulic Power Company               |
| SCC.....   | Steel Company of Canada Limited                    |
| SFPPC..... | Spruce Falls Power and Paper Company               |
| SP.....    | Strathcona Paper Company Limited                   |
| STLSA..... | St. Lawrence Seaway Authority                      |

HUDSON BAY

ONTARIO  
MAIN ELECTRIC TRANSMISSION SYSTEMS  
AND PRINCIPAL POWER GENERATING DEVELOPMENTS

DEPARTMENT OF ENERGY, MINES AND RECHARGE  
ENERGY DEVELOPMENT SECTOR  
OTTAWA, ONTARIO

SCALE OF MILES

0 10 20 30 40 50 60 70 80 90 100

LEGEND

ESACCO  
MOTOR  
CONNECTION

GENERATING STATIONS

TRANSMISSION LINES

Hydro-Electric transmission lines

Other transmission lines

Emergency power lines

Underground and submarine cable

Connection between companies

OWNERSHIP

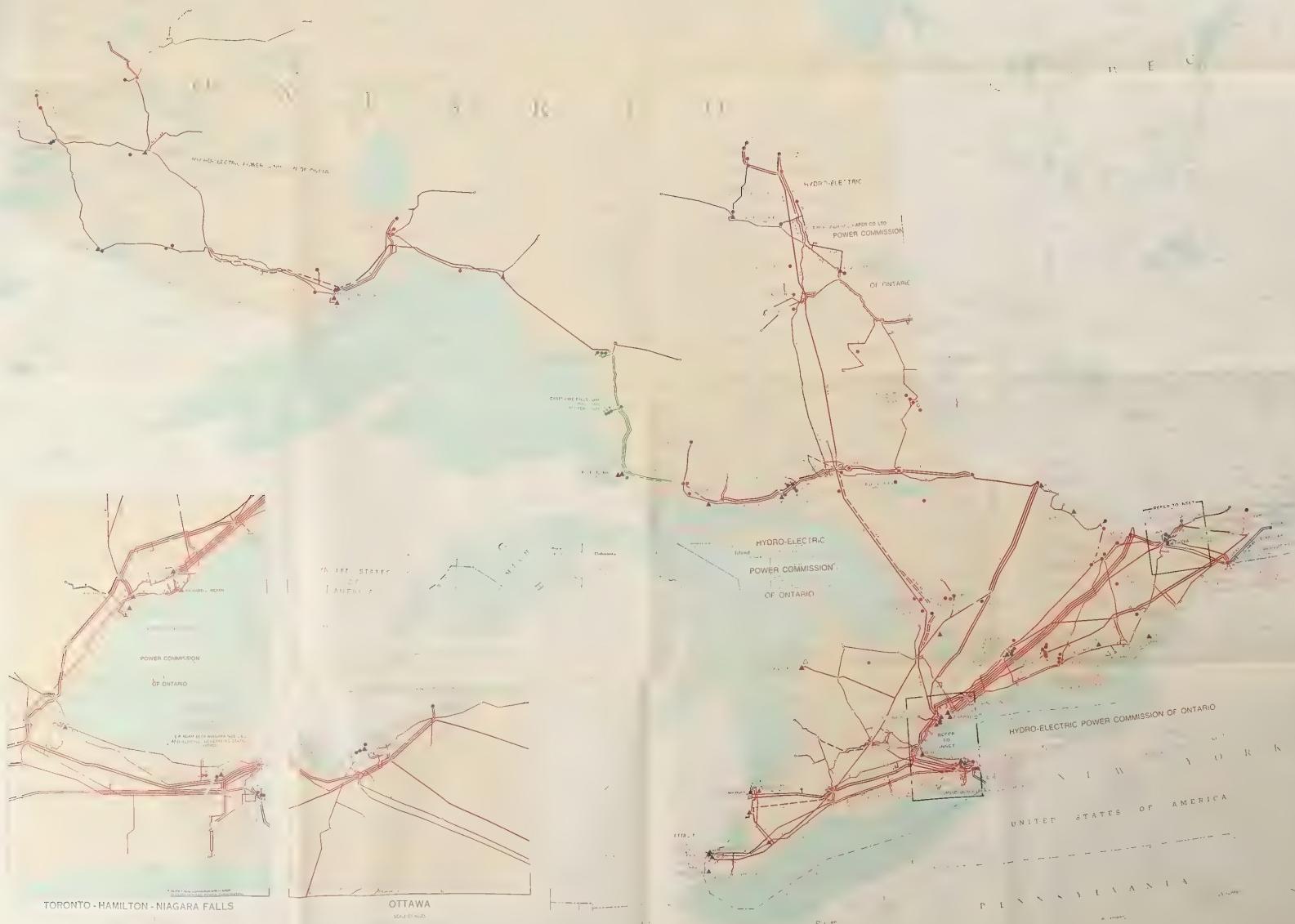
Crown power & the great lakes independent companies  
privately owned companies - hydroelectric power  
of the crown and not privately owned companies are in red

DECEMBER 1968

JAMES

ALBERT  
Island

N E C



Energy Development Sec  
DEPARTMENT OF ENERGY, MINES AND RESOURCES  
OTTAWA, CANADA

# PRAIRIE PROVINCES

CAI MT 51

S22



## electric power in canada map supplement



1969



TRANSMISSION  
AND  
GENERATING FACILITIES

---

Prairie Provinces

ENERGY DEVELOPMENT SECTOR  
DEPARTMENT OF ENERGY, MINES AND RESOURCES

INDEX OF FUELS FOR THERMAL DEVELOPMENTS

|                 |   |
|-----------------|---|
| Gas             | a |
| Oil             | b |
| Wood Waste      | c |
| Coal            | d |
| Coke            | e |
| Waste Heat      | f |
| Coke Oven Gas   | g |
| Uranium Dioxide | h |
| Grain Refuse    | i |
| Flare Gas       | j |

# Manitoba

## HYDRO

| No. | Development        | River        | Owner | Year Installed |             | Rated Head ft. | No. of Units | Turbines          |                    | Generators        |                    |
|-----|--------------------|--------------|-------|----------------|-------------|----------------|--------------|-------------------|--------------------|-------------------|--------------------|
|     |                    |              |       | First Unit     | Latest Unit |                |              | Unit Capacity hp. | Total Capacity hp. | Unit Capacity kw. | Total Capacity kw. |
| 1   | Grand Rapids       | Saskatchewan | MH    | 1965           | 1968        | 120            | 4            | 150,000           | 600,000            | 109,250           | 437,000            |
| 2   | Kelsey             | Nelson       | MH    | 1960           | 1969        | 50             | 6            | 42,000            | 252,000            | 33,750            | 202,500            |
| 3   | Seven Sisters      | Winnipeg     | MH    | 1931           | 1952        | 66             | 6            | 33,330            | 200,000            | 25,000            | 150,000            |
| 4   | Great Falls        | Winnipeg     | MH    | 1923           | 1928        | 58             | 6            | 31,000            | 186,000            | 22,000            | 132,000            |
| 5   | Pine Falls         | Winnipeg     | MH    | 1951           | 1952        | 37             | 6            | 19,000            | 114,000            | 13,950            | 83,700             |
| 6   | Slave Falls        | Winnipeg     | WH    | 1931           | 1948        | 30             | 8            | 12,000            | 96,000             | 9,000             | 72,000             |
| 7   | Pointe du Bois     | Winnipeg     | WH    | 1911           | 1925        | 45             | 5            | 5,200             |                    | 3,000             |                    |
|     |                    |              |       |                |             |                | 3            | 6,800             |                    | 4,000             |                    |
|     |                    |              |       |                |             |                | 3            | 6,900             |                    | 5,200             |                    |
|     |                    |              |       |                |             |                | 3            | 7,300             |                    | 5,200             |                    |
|     |                    |              |       |                |             |                | 2            | 8,000             | 105,000            | 5,200             | 68,600             |
| 8   | McArthur Falls     | Winnipeg     | MH    | 1954           | 1955        | 23             | 8            | 10,000            | 80,000             | 7,650             | 61,200             |
| 9   | Laurie River No. 2 | Laurie       | MH    | 1958           | -           | 55             | 1            | 7,000             | 7,000              | 5,400             | 5,400              |
| 10  | Laurie River No. 1 | Laurie       | MH    | 1950           | 1952        | 55             | 2            | 3,500             | 7,000              | 2,475             | 4,950              |

Total capacity of plants under 1,500 kw.

Total capacity of turbines connected directly to mechanical equipment

|                    |           |           |
|--------------------|-----------|-----------|
| Total (all plants) | 1,647,000 | 1,217,350 |
|--------------------|-----------|-----------|

## THERMAL

| No. | Station    | Location | Owner | Year Installed |             | Fuel  | Type of Prime Mover | Generators |                   |                    |
|-----|------------|----------|-------|----------------|-------------|-------|---------------------|------------|-------------------|--------------------|
|     |            |          |       | First Unit     | Latest Unit |       |                     | No.        | Unit Capacity kw. | Total Capacity kw. |
| 1   | Brandon    | Brandon  | MH    | 1957           | 1969        | d,a,b | S                   | 1          | 105,000           |                    |
|     |            |          |       |                |             |       | S                   | 4          | 33,000            | 237,000            |
| 2   | Selkirk    | Selkirk  | MH    | 1960           | 1969        | b,d   | S                   | 2          | 66,000            |                    |
|     |            |          |       |                |             |       | GT                  | 4          | 11,900            | 179,600            |
| 3   | Amy Street | Winnipeg | WH    | 1924           | 1954        | d     | S                   | 2          | 5,000             |                    |
|     |            |          |       |                |             |       | S                   | 1          | 15,000            |                    |
|     |            |          |       |                |             |       | S                   | 1          | 25,000            | 50,000             |
| 4   | The Pas    | The Pas  | MH    | 1948           | 1962        | b     | IC                  | 1          | 1,100             |                    |
|     |            |          |       |                |             |       | IC                  | 4          | 1,000             |                    |
|     |            |          |       |                |             |       | IC                  | 1          | 750               |                    |
|     |            |          |       |                |             |       | IC                  | 1          | 400               | 6,250              |

|                     |    |
|---------------------|----|
| Gas Turbine         | GT |
| Internal Combustion | IC |
| Steam               | S  |
| Combustion Turbine  | CT |

# THERMAL

| No.                                                            | Station        | Location       | Owner | Year Installed      |             | Fuel  | Type of Prime Mover | Generators  |                       |                    |
|----------------------------------------------------------------|----------------|----------------|-------|---------------------|-------------|-------|---------------------|-------------|-----------------------|--------------------|
|                                                                |                |                |       | First Unit          | Latest Unit |       |                     | No.         | Unit Capacity kw.     | Total Capacity kw. |
| 5                                                              | Fort Churchill | Fort Churchill | MH    | 1949                | 1963        | b     | IC                  | 3<br>4<br>3 | 200<br>300<br>1,136   | 5,208              |
| 6                                                              | Fort Garry     | Winnipeg       | MSC   | 1940                | 1953        | b     | S                   | 1<br>1      | 1,500<br>2,500        | 4,000              |
| 7                                                              | Churchill      | Churchill      | NHB   | 1931                | 1955        | b,d,i | S                   | 1<br>1<br>1 | 1,500<br>600<br>1,250 |                    |
|                                                                |                |                |       |                     |             |       | IC                  | 1<br>1      | 200<br>250            | 3,800              |
| 8                                                              | Thompson       | Thompson       | INCO  |                     | 1958        | b     | IC                  | 2           | 1,500                 | 3,000              |
| Total capacity of plants 1,500 kw. and over (not listed above) |                |                |       |                     |             |       |                     |             |                       | 10,160             |
| Total capacity of plants under 1,500 kw.                       |                |                |       |                     |             |       |                     |             |                       | 4,721              |
| Total (all plants)                                             |                |                |       |                     |             |       |                     |             |                       | 503,739            |
| Combined Hydro and Thermal Total                               |                |                |       |                     |             |       |                     |             |                       | 1,721,089          |
|                                                                |                |                |       | Gas Turbine         | GT          |       |                     |             |                       |                    |
|                                                                |                |                |       | Internal Combustion | IC          |       |                     |             |                       |                    |
|                                                                |                |                |       | Steam               | S           |       |                     |             |                       |                    |
|                                                                |                |                |       | Combustion Turbine  | CT          |       |                     |             |                       |                    |

# Saskatchewan

## HYDRO

| No. | Development     | River              | Owner | Year Installed |             | Rated Head ft. | No. of Units | Turbines                   |                    | Generators                 |                    |
|-----|-----------------|--------------------|-------|----------------|-------------|----------------|--------------|----------------------------|--------------------|----------------------------|--------------------|
|     |                 |                    |       | First Unit     | Latest Unit |                |              | Unit Capacity hp.          | Total Capacity hp. | Unit Capacity kw.          | Total Capacity kw. |
| 1   | Squaw Rapids    | Saskatchewan       | SPC   | 1963           | 1966        | 105            | 6<br>2       | 46,000<br>53,000           | 382,000            | 33,500<br>38,700           | 278,400            |
| 2   | Coteau Creek    | South Saskatchewan | SPC   | 1968           | 1968        |                | 3            | 84,000                     | 252,000            | 62,200                     | 186,600            |
| 3   | Island Falls    | Churchill          | CRPC  | 1930           | 1959        | 56             | 3<br>5<br>1  | 16,500<br>19,000<br>19,000 | 125,500            | 11,880<br>18,000<br>17,100 | 106,740            |
| 4   | Waterloo Lake   | Charlot            | EN    | 1961           | -           | 63             | 1            | 10,000                     | 10,000             | 7,500                      | 7,500              |
| 5   | Wellington Lake | Charlot            | EN    | 1939           | 1960        | 70             | 2            | 3,300                      | 6,600              | 2,400                      | 4,800              |

Total capacity of plants under 1,500 kw.

Total capacity of turbines connected directly to mechanical equipment

Total (all plants)

776,100

584,040

## THERMAL

| No. | Station         | Location   | Owner | Year Installed |             | Fuel  | Type of Prime Mover | Generators       |                                      |                    |
|-----|-----------------|------------|-------|----------------|-------------|-------|---------------------|------------------|--------------------------------------|--------------------|
|     |                 |            |       | First Unit     | Latest Unit |       |                     | No.              | Unit Capacity kw.                    | Total Capacity kw. |
| 1   | Boundary Dam    | Estevan    | SPC   | 1959           | 1960        | a     | S                   | 2<br>1           | 66,000<br>150,000                    | 282,000            |
| 2   | Queen Elizabeth | Saskatoon  | SPC   | 1958           | 1959        | a,b,d | S                   | 1<br>1           | 66,000<br>75,000                     | 141,000            |
| 3   | A.L. Cole       | Saskatoon  | SPC   | 1929           | 1957        | a,b,d | S                   | 1<br>1<br>2<br>1 | 10,000<br>15,000<br>25,000<br>30,000 | 105,000            |
| 4   | Regina          | Regina     | SPC   | 1925           | 1960        | a,b   | S                   | 1<br>1<br>1<br>1 | 15,000<br>5,000<br>20,000<br>30,000  |                    |
|     |                 |            |       |                |             |       | GT                  | 1                | 23,360                               | 93,360             |
| 5   | Estevan         | Estevan    | SPC   | 1929           | 1957        | a,d   | S                   | 1<br>1<br>1<br>1 | 5,000<br>15,000<br>20,000<br>30,000  | 70,000             |
| 6   | Success         | Success    | SPC   | 1967           | 1967        | a     | GT                  | 3                | 11,840                               | 35,520             |
| 7   | Kindersley      | Kindersley | SPC   | 1955           | 1958        | a     | IC                  | 3                | 3,000                                | 29,000             |
| 8   | Moose Jaw       | Moose Jaw  | SPC   | 1930           | 1952        | a,b   | S                   | 1<br>1           | 10,000<br>15,000                     | 25,000             |

Gas Turbine  
Internal Combustion  
Steam  
Combustion Turbine

GT  
IC  
S  
CT

# THERMAL

| No.                                                            | Station       | Location                    | Owner | Year<br>Installed   |                | Fuel | Type<br>of<br>Prime<br>Mover | Generators       |                           |                          |
|----------------------------------------------------------------|---------------|-----------------------------|-------|---------------------|----------------|------|------------------------------|------------------|---------------------------|--------------------------|
|                                                                |               |                             |       | First<br>Unit       | Latest<br>Unit |      |                              | No.              | Unit<br>Capacity<br>kw.   | Total<br>Capacity<br>kw. |
| 9                                                              | Kalium        | Kalium                      | KC    | 1964                | 1964           | a    | S                            | 2                | 7,500                     | 15,000                   |
| 10                                                             | Swift Current | Swift Current               | SPC   | 1954                | 1957           | b    | IC                           | 2<br>4           | 1,275<br>3,000            | 14,550                   |
| 11                                                             | Eldorado      | Eldorado                    | EN    | 1952                | 1956           | b    | IC                           | 4                | 2,250                     | 9,000                    |
| 12                                                             | Flin Flon     | Flin Flon<br>(Saskatchewan) | HIBMS | 1929                | 1951           | b,d  | S                            | 1<br>1           | 1,000<br>6,000            | 7,000                    |
| 13                                                             | La Ronge      | La Ronge                    | SPC   | 1953                | 1960           | b    | IC                           | 2<br>2<br>1<br>1 | 50<br>100<br>350<br>1,000 | 1,650                    |
| Total capacity of plants 1,500 kw. and over (not listed above) |               |                             |       |                     |                |      |                              |                  | 10,000                    |                          |
| Total capacity of plants under 1,500 kw.                       |               |                             |       |                     |                |      |                              |                  | 3,017                     |                          |
| Total (all plants)                                             |               |                             |       |                     |                |      |                              |                  | 841,097                   |                          |
| Combined Hydro and Thermal Total                               |               |                             |       |                     |                |      |                              |                  | 1,425,137                 |                          |
|                                                                |               |                             |       | Gas Turbine         | GT             |      |                              |                  |                           |                          |
|                                                                |               |                             |       | Internal Combustion | IC             |      |                              |                  |                           |                          |
|                                                                |               |                             |       | Steam               | S              |      |                              |                  |                           |                          |
|                                                                |               |                             |       | Combustion Turbine  | CT             |      |                              |                  |                           |                          |

# Alberta

## HYDRO

| No. | Development                   | River                | Owner | Year Installed |             | Rated Head ft. | No. of Units | Turbines           |                    | Generators         |                    |
|-----|-------------------------------|----------------------|-------|----------------|-------------|----------------|--------------|--------------------|--------------------|--------------------|--------------------|
|     |                               |                      |       | First Unit     | Latest Unit |                |              | Unit Capacity hp.  | Total Capacity hp. | Unit Capacity kw.  | Total Capacity kw. |
| 1   | Big Bend                      | Brazeau              | CP    | 1965           | 1967        | 386            | 1            | 210,000<br>250,000 | 460,000            | 144,000<br>161,500 | 305,500            |
| 2   | Spray                         | Spray Diver-<br>sion | CP    | 1951           | 1960        | 875            | 2            | 62,000             | 124,000            | 40,400             | 80,800             |
| 3   | Rundle                        | Spray Diver-<br>sion | CP    | 1951           | 1960        | 318<br>317     | 1            | 23,000<br>40,000   | 63,000             | 17,000<br>29,750   | 46,750             |
| 4   | Ghost                         | Bow                  | CP    | 1929           | 1954        | 105<br>92      | 2            | 18,000<br>30,000   | 66,000             | 12,750<br>21,150   | 46,650             |
| 5   | Cascade                       | Cascade              | CP    | 1942           | 1957        | 320            | 2            | 23,000             | 46,000             | 17,000             | 34,000             |
| 6   | Pumping-Generating<br>Station | Brazeau              | CP    | 1965           | -           | -              | 2            | 12,850             | 25,700             | 9,720              | 19,440             |
| 7   | Horseshoe                     | Bow                  | CP    | 1953           | 1955        | 72             | 2            | 4,680<br>7,500     | 24,360             | 3,375<br>5,625     | 18,000             |
| 8   | Kananaskis                    | Bow                  | CP    | 1913           | 1951        | 68<br>70       | 2            | 6,000<br>12,000    | 24,000             | 3,400<br>9,560     | 16,360             |
| 9   | Bearspaw                      | Bow                  | CP    | 1954           | -           | 48             | 1            | 20,750             | 20,750             | 15,300             | 15,300             |
| 10  | Pocaterra                     | Kananaskis           | CP    | 1955           | -           | 185            | 1            | 18,400             | 18,400             | 13,500             | 13,500             |
| 11  | Barrier                       | Kananaskis           | CP    | 1947           | -           | 135            | 1            | 13,500             | 13,500             | 9,560              | 9,560              |
| 12  | Interlakes                    | Kananaskis           | CP    | 1955           | -           | 98             | 1            | 6,900              | 6,900              | 5,040              | 5,040              |
| 13  | Three Sisters                 | Spray Diver-<br>sion | CP    | 1951           | -           | 50             | 1            | 3,600              | 3,600              | 3,400              | 3,400              |

Total capacity of plants under 1,500 kw. 1,843 1,400

Total capacity of turbines connected directly to mechanical equipment

Total (all plants) 898,053 616,200

## THERMAL

| No. | Station      | Location   | Owner | Year Installed |             | Fuel | Type of Prime Mover | Generators |                              |                    |
|-----|--------------|------------|-------|----------------|-------------|------|---------------------|------------|------------------------------|--------------------|
|     |              |            |       | First Unit     | Latest Unit |      |                     | No.        | Unit Capacity kw.            | Total Capacity kw. |
| 1   | Wabamun      | Wabamun    | CP    | 1956           | 1967        | a,d  | S                   | 2          | 66,000<br>150,000<br>300,000 | 582,000            |
| 2   | Rosedale     | Edmonton   | CE    | 1939           | 1966        | a,b  | S                   | 2          | 15,000<br>30,000<br>75,000   |                    |
|     |              |            |       |                |             |      | GT                  | 2          | 30,000                       |                    |
|     |              |            |       |                |             |      | S                   | 1          | 75,000                       | 405,000            |
| 3   | Battle River | Forestburg | CU    | 1956           | 1969        | b,d  | S                   | 2          | 33,000<br>150,000            | 216,000            |
|     |              |            |       |                |             |      | S                   | 1          |                              |                    |

Gas Turbine  
Internal Combustion  
Steam  
Combustion Turbine

GT  
IC  
S  
CT

# THERMAL

| No. | Station             | Location          | Owner | Year Installed |             | Fuel  | Type of Prime Mover | Generators |                   |                    |
|-----|---------------------|-------------------|-------|----------------|-------------|-------|---------------------|------------|-------------------|--------------------|
|     |                     |                   |       | First Unit     | Latest Unit |       |                     | No.        | Unit Capacity kw. | Total Capacity kw. |
| 4   | Tar Island          | Fort McMurray     | GCOS  | 1966           | 1967        | e     | S                   | 2          | 32,500            | 65,000             |
| 5   | Medicine Hat        | Medicine Hat      | CMH   | 1929           | 1953        | a     | S                   | 1          | 3,000             |                    |
|     |                     |                   |       |                |             |       |                     | 1          | 5,000             |                    |
|     |                     |                   |       |                |             |       |                     | 1          | 30,000            | 38,000             |
| 6   | Lethbridge          | Lethbridge        | CL    | 1931           | 1961        | a     | S                   | 1          | 3,375             |                    |
|     |                     |                   |       |                |             |       |                     | 2          | 5,000             |                    |
|     |                     |                   |       |                |             |       | GT                  | 2          | 10,000            | 33,375             |
| 7   | Rainbow Lake        | Rainbow Lake      | NU    | 1968           | -           | a     | GT                  | 1          | 30,000            | 30,000             |
| 8   | Hinton              | Hinton            | NWPP  | 1956           | 1957        | a,b,c | S                   | 1          | 21,760            |                    |
|     |                     |                   |       |                |             |       | IC                  | 1          | 1,100             |                    |
|     |                     |                   |       |                |             |       |                     | 1          | 1,000             | 23,860             |
| 9   | Clover Bar          | Edmonton          | C     | 1953           | 1966        | a     | S                   | 3          | 6,000             |                    |
|     |                     |                   |       |                |             |       |                     | 1          | 4,000             |                    |
|     |                     |                   |       |                |             |       |                     |            |                   | 22,000             |
| 10  | Simonette           | Simonette         | CU    | 1966           |             | j     | GT                  | 1          | 20,000            | 20,000             |
| 11  | Sturgeon            | Valleyview        | CU    | 1958           | 1961        | j     | GT                  | 1          | 10,000            |                    |
|     |                     |                   |       |                |             |       |                     | 1          | 8,500             | 18,500             |
| 12  | Drumheller          | Drumheller        | CU    | 1928           | 1952        | d     | S                   | 2          | 7,500             |                    |
|     |                     |                   |       |                |             |       |                     | 1          | 2,500             |                    |
| 13  | Two Hills           | Duvernay          | WC    | 1953           | 1958        | a     | S                   | 3          | 300               |                    |
|     |                     |                   |       |                |             |       |                     | 1          | 1,200             |                    |
|     |                     |                   |       |                |             |       | IC                  | 6          | 500               |                    |
|     |                     |                   |       |                |             |       |                     |            |                   | 13,537             |
| 14  | Fort McMurray       | Fort McMurray     | CU    | 1954           | 1969        | b     | IC                  | 3          | 500               |                    |
|     |                     |                   |       |                |             |       | GT                  | 1          | 3,000             |                    |
|     |                     |                   |       |                |             |       |                     | 2          | 1,200             |                    |
|     |                     |                   |       |                |             |       |                     | 1          | 2,500             |                    |
|     |                     |                   |       |                |             |       |                     | 1          | 650               | 10,050             |
| 15  | Sentinel            | Coleman           | CP    | 1927           | 1929        | d     | S                   | 2          | 5,000             | 10,000             |
| 16  | South Power Plant   | Edmonton          | DPWA  | 1959           | 1963        | a     | GT                  | 1          | 2,100             |                    |
|     |                     |                   |       |                |             |       | S                   | 1          | 5,000             |                    |
|     |                     |                   |       |                |             |       |                     | 1          | 2,200             |                    |
|     |                     |                   |       |                |             |       |                     |            |                   | 9,300              |
| 17  | Vermilion           | Vermilion         | CU    | 1948           | 1961        | a     | S                   | 4          | 2,250             | 9,000              |
| 18  | Taber               | Taber             | CSF   | 1950           | 1967        | a,b   | S                   | 1          | 2,000             |                    |
|     |                     |                   |       |                |             |       |                     | 1          | 1,675             |                    |
|     |                     |                   |       |                |             |       |                     | 1          | 4,300             |                    |
| 19  | Foot Hills Hospital | Calgary           |       | 1965           | 1969        |       | S                   | 2          | 1,000             |                    |
|     |                     |                   |       |                |             |       | S                   | 1          | 5,000             |                    |
|     |                     |                   |       |                |             |       | IC                  | 1          | 450               |                    |
|     |                     |                   |       |                |             |       |                     |            |                   | 7,450              |
| 20  | Fairview            | Fairview          | NU    | 1954           | 1960        | a     | IC                  | 2          | 3,000             | 6,000              |
| 21  | Fort Saskatchewan   | Fort Saskatchewan | SGM   | 1954           | 1959        | a     | S                   | 2          | 2,500             | 5,000              |
| 22  | Whitecourt          | Whitecourt        | PAPC  | 1958           | 1964        | a     | IC                  | 2          | 300               |                    |
|     |                     |                   |       |                |             |       |                     | 5          | 800               |                    |
|     |                     |                   |       |                |             |       |                     |            |                   | 4,600              |
| 23  | Rimbey              | Rimbey            | BA    | 1960           | 1963        | a     | S                   | 4          | 1,000             | 4,000              |

Gas Turbine  
Internal Combustion  
Steam  
Combustion Turbine

GT  
IC  
S  
CT

## THERMAL

| No.                                                            | Station               | Location          | Owner | Year<br>Installed   |                | Fuel | Type<br>of<br>Prime<br>Mover | Generators            |                                   |                          |
|----------------------------------------------------------------|-----------------------|-------------------|-------|---------------------|----------------|------|------------------------------|-----------------------|-----------------------------------|--------------------------|
|                                                                |                       |                   |       | First<br>Unit       | Latest<br>Unit |      |                              | No.                   | Unit<br>Capacity<br>kw.           | Total<br>Capacity<br>kw. |
| 24                                                             | Jasper                | Jasper            | NU    | 1941                | 1968           | b    | IC                           | 1<br>1<br>1<br>2<br>1 | 1,200<br>475<br>850<br>500<br>300 | 3,825                    |
| 25                                                             | Glenmore Filter Plant | Calgary           | COC   | 1965                | 1965           |      | S                            | 2                     | 1,800                             | 3,600                    |
| 26                                                             | Picture Butte         | Picture Butte     | CSF   | 1936                | 1968           | a    | S                            | 1<br>2                | 1,250<br>750                      | 2,750                    |
| 27                                                             | Edmonton              | Legislative Bldg. | DPWA  | 1953                | 1965           | a    | S                            | 2<br>1                | 800<br>500                        | 2,100                    |
| 28                                                             | West Whitecourt       | West Whitecourt   | PAPC  | 1968                |                |      | IC                           |                       |                                   | 1,600                    |
| Total capacity of plants 1,500 kw. and over (not listed above) |                       |                   |       |                     |                |      |                              |                       |                                   | 4,000                    |
| Total capacity of plants under 1,500 kw.                       |                       |                   |       |                     |                |      |                              |                       |                                   | 17,665                   |
| Total (all plants)                                             |                       |                   |       |                     |                |      |                              |                       |                                   | 1,593,687                |
| Combined Hydro and Thermal Total                               |                       |                   |       |                     |                |      |                              |                       |                                   | 2,209,887                |
|                                                                |                       |                   |       | Gas Turbine         | GT             |      |                              |                       |                                   |                          |
|                                                                |                       |                   |       | Internal Combustion | IC             |      |                              |                       |                                   |                          |
|                                                                |                       |                   |       | Steam               | S              |      |                              |                       |                                   |                          |
|                                                                |                       |                   |       | Combustion Turbine  | CT             |      |                              |                       |                                   |                          |



## **OWNER CODE INDEX**

| CODE      | OWNER                                                           |
|-----------|-----------------------------------------------------------------|
| BA.....   | British American Oil Company                                    |
| C.....    | Chemse11 (1953) Limited                                         |
| CE.....   | City of Edmonton                                                |
| CL.....   | City of Lethbridge                                              |
| CMH.....  | City of Medicine Hat                                            |
| COC.....  | City of Calgary                                                 |
| CP.....   | Calgary Power Ltd.                                              |
| CRPC..... | Churchill River Power Company                                   |
| CSF.....  | Canadian Sugar Factories Limited                                |
| CU.....   | Canadian Utilities Limited                                      |
| DPWA..... | Department of Public Works, Government of Alberta               |
| DPW.....  | Department of Public Works, Government of Canada                |
| EN .....  | Eldorado Nuclear Limited                                        |
| GCOS..... | Great Canadian Oil Sands Limited                                |
| HBMS..... | Hudson Bay Mining and Smelting Company Limited                  |
| INCO..... | International Nickel Company of Canada Limited                  |
| KC.....   | Kalium Chemicals Limited                                        |
| MH.....   | Manitoba Hydro                                                  |
| MSC.....  | Manitoba Sugar Company Limited                                  |
| NHB.....  | National Harbours Board, Government of Canada                   |
| NU.....   | Northland Utilities Limited                                     |
| NWPP..... | North Western Pulp and Power Limited                            |
| PAPC..... | Pan American Petroleum Corporation                              |
| SGM.....  | Sherritt-Gordon Mines Limited                                   |
| SPC.....  | Saskatchewan Power Corporation                                  |
| WC.....   | Canadian Chemicals Limited (formerly Western Chemicals Limited) |
| WH.....   | Winnipeg Hydro                                                  |



Energy Development Secto  
DEPARTMENT OF ENERGY, MINES AND RESOURCE  
OTTAWA, CANADA

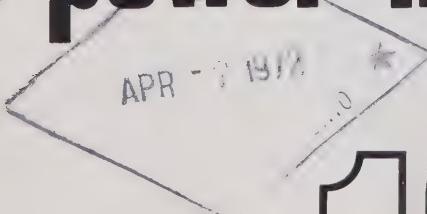
# L'énergie électrique au Canada

AI MT 51  
S22



QUEBEC

# electric power in canada



1969

map supplement



TRANSMISSION

AND

GENERATING

FACILITIES

ENERGY DEVELOPMENT SECTOR

DEPARTMENT OF ENERGY, MINES AND RESOURCES

Québec

SECTEUR DE L'EXPLOITATION DE L'ÉNERGIE  
MINISTÈRE DE L'ÉNERGIE, DES MINES ET DES RESSOURCES

CENTRALES

ET

INSTALLATIONS

DE TRANSMISSION

INDEX OF FUELS FOR THERMAL DEVELOPMENTS

INDEX DES COMBUSTIBLES POUR AMÉNAGEMENTS THERMO-ÉLECTRIQUES

---

|                 |   |                    |
|-----------------|---|--------------------|
| Gas             | a | Gaz                |
| Oil             | b | Mazout             |
| Wood Waste      | c | Déchets de bois    |
| Coal            | d | Charbon            |
| Coke            | e | Coke               |
| Waste Heat      | f | Chaleur résiduelle |
| Coke Oven Gas   | g | Gaz de coke        |
| Uranium Dioxide | h | Bioxide d'uranium  |
| Grain Refuse    | i | Rebuts de céréales |
| Flare Gas       | j | Gaz naturel        |

---

## HYDRO

## AMÉNAGEMENTS HYDRO-ÉLECTRIQUES

| No. | Development               | River                         | Owner | Year Installed |                | Rated Head ft. |                | Turbines                           |              | Generators Générateurs |                                  |                       |                         |                      |                                  |                       |
|-----|---------------------------|-------------------------------|-------|----------------|----------------|----------------|----------------|------------------------------------|--------------|------------------------|----------------------------------|-----------------------|-------------------------|----------------------|----------------------------------|-----------------------|
|     |                           |                               |       | First Unit     | Premier groupe | Latest Unit    | Dernier groupe | Hauteur de chute nominale en pieds | No. of Units | Nombre de groupes      | Capacité de chaque groupe en hp. | Total Capacity en hp. | Capacité globale en hp. | Unit Capacity en kw. | Capacité de chaque groupe en kw. | Total Capacity en kw. |
| 1   | Beauharnois:<br>Section 1 | St. Lawrence<br>Saint-Laurent | HQ    | 1932           | 1948           | 80             | 8              | 53,000                             |              |                        |                                  |                       | 37,300                  |                      |                                  |                       |
|     |                           |                               |       |                | 1950           | 1953           | 80             | 3                                  | 55,000       |                        |                                  |                       | 40,000                  |                      |                                  |                       |
|     |                           |                               |       |                |                |                | 3              | 56,000                             |              |                        |                                  | 41,120                |                         |                      |                                  |                       |
|     | Section 3                 |                               |       | 1959           | 1961           | 80             | 10             | 73,700                             | 2,148,000    | 55,250                 |                                  |                       | 40,000                  |                      | 1,574,260                        |                       |
| 2   | Manic 2                   | Manicouagan                   | HQ    | 1965           | 1967           | 230            | 8              | 170,000                            | 1,360,000    | 126,900                |                                  |                       | 126,900                 |                      | 1,015,200                        |                       |
| 3   | Bersimis I                | Betsiamites                   | HQ    | 1956           | 1959           | 785            | 8              | 150,000                            | 1,200,000    | 114,000                |                                  |                       | 114,000                 |                      | 912,000                          |                       |
| 4   | Outardes                  | Outardes                      | HQ    | 1969           | 1969           |                | 4              | 258,500                            | 1,034,000    | 189,050                |                                  |                       | 189,050                 |                      | 756,200                          |                       |
| 5   | Chute des Passes          | Péribonka                     | ALCAN | 1959           | 1960           | 540            | 5              | 200,000                            | 1,000,000    | 148,500                |                                  |                       | 148,500                 |                      | 742,500                          |                       |
| 6   | Shipshaw                  | Saguenay                      | ALCAN | 1942           | 1943           | 208            | 2              | 95,000                             |              |                        |                                  |                       | 58,500                  |                      |                                  |                       |
|     |                           |                               |       |                |                |                | 6              | 103,000                            |              |                        |                                  |                       | 60,000                  |                      |                                  |                       |
|     |                           |                               |       |                |                |                | 2              | 101,000                            |              |                        |                                  |                       | 60,000                  |                      |                                  |                       |
|     |                           |                               |       |                |                |                | 2              | 95,000                             | 1,200,000    | 60,000                 |                                  |                       | 60,000                  |                      | 717,000                          |                       |
| 7   | Bersimis II               | Betsiamites                   | HQ    | 1959           | 1960           | 380            | 5              | 180,000                            | 900,000      | 131,000                |                                  |                       | 131,000                 |                      | 655,000                          |                       |
| 8   | Carillon                  | Ottawa<br>Outaouais           | HQ    | 1962           | 1964           | 61             | 14             | 60,000                             | 840,000      | 46,750                 |                                  |                       | 46,750                  |                      | 654,500                          |                       |
| 9   | Outardes                  | Outardes                      | HQ    | 1969           | 1969           |                | 4              | 216,000                            | 864,000      | 158,000                |                                  |                       | 158,000                 |                      | 632,000                          |                       |
| 10  | Isle Maligne              | Saguenay                      | SAPC  | 1925           | 1937           | 110            | 12             | 45,000                             | 540,000      | 28,000                 |                                  |                       | 28,000                  |                      | 336,000                          |                       |
| 11  | McCormick Dam             | Manicouagan                   | MP    | 1951           | 1965           | 124            | 2              | 56,200                             |              |                        |                                  |                       | 35,625                  |                      |                                  |                       |
|     |                           |                               |       |                |                |                | 3              | 60,000                             |              |                        |                                  |                       | 40,000                  |                      |                                  |                       |
|     |                           |                               |       |                |                |                | 2              | 80,000                             | 452,400      | 56,250                 |                                  |                       | 56,250                  |                      | 303,750                          |                       |
| 12  | Trenche                   | Saint-Maurice                 | HQ    | 1950           | 1955           | 160            | 6              | 65,000                             | 390,000      | 47,700                 |                                  |                       | 47,700                  |                      | 286,200                          |                       |
| 13  | Beaumont                  | Saint-Maurice                 | HQ    | 1958           | 1959           | 124            | 6              | 55,000                             | 330,000      | 40,500                 |                                  |                       | 40,500                  |                      | 243,000                          |                       |
| 14  | La Tuque                  | Saint-Maurice                 | HQ    | 1940           | 1955           | 114            | 5              | 44,500                             |              |                        |                                  |                       | 36,000                  |                      |                                  |                       |
|     |                           |                               |       |                |                |                | 1              | 49,000                             | 271,500      | 36,000                 |                                  |                       | 36,000                  |                      | 216,000                          |                       |
| 15  | Paugan                    | Gatineau                      | HQ    | 1928           | 1956           | 133            | 1              | 47,000                             |              |                        |                                  |                       | 32,400                  |                      |                                  |                       |
|     |                           |                               |       |                |                | 132            | 7              | 34,000                             | 285,000      | 24,225                 |                                  |                       | 24,225                  |                      | 201,975                          |                       |
| 16  | Chute-à-la-Savane         | Péribonka                     | ALCAN | 1953           | 1953           | 110            | 5              | 57,000                             | 285,000      | 37,450                 |                                  |                       | 37,450                  |                      | 187,250                          |                       |
| 17  | Chute-du-Diable           | Péribonka                     | ALCAN | 1952           | 1952           | 110            | 5              | 55,000                             | 275,000      | 37,450                 |                                  |                       | 37,450                  |                      | 187,250                          |                       |
| 18  | Manic 1                   | Manicouagan                   | HQ    | 1966           | 1967           | 120            | 3              | 80,000                             | 240,000      | 61,470                 |                                  |                       | 61,470                  |                      | 184,410                          |                       |
| 19  | Rapide Blanc              | Saint-Maurice                 | HQ    | 1934           | 1955           | 108            | 1              | 44,500                             |              |                        |                                  |                       | 30,600                  |                      |                                  |                       |
|     |                           |                               |       |                |                | 5              | 40,000         | 244,500                            | 30,600       |                        |                                  |                       | 30,600                  |                      | 183,600                          |                       |
| 20  | Chute à Caron             | Saguenay                      | ALCAN | 1931           | 1934           | 160            | 4              | 75,000                             | 300,000      | 45,000                 |                                  |                       | 45,000                  |                      | 180,000                          |                       |
| 21  | Shawinigan No. 2          | Saint-Maurice                 | HQ    | 1911           | 1929           | 145            | 3              | 43,000                             |              |                        |                                  |                       | 30,000                  |                      |                                  |                       |
|     |                           |                               |       |                |                | 3              | 18,500         |                                    |              |                        |                                  |                       | 15,000                  |                      |                                  |                       |
|     |                           |                               |       |                |                | 2              | 18,500         | 221,500                            | 14,000       |                        |                                  |                       | 14,000                  |                      | 163,000                          |                       |
| 22  | Les Cèdres                | St. Lawrence<br>Saint-Laurent | HQ    | 1914           | 1924           | 35             | 18             | 12,650                             | 227,700      | 9,000                  |                                  |                       | 9,000                   |                      | 162,000                          |                       |
| 23  | Shawinigan No. 3          | Saint-Maurice                 | HQ    | 1948           | 1949           | 145            | 3              | 65,000                             | 195,000      | 50,000                 |                                  |                       | 50,000                  |                      | 150,000                          |                       |
| 24  | Grand'Mère                | Saint-Maurice                 | HQ    | 1915           | 1930           | 80             | 5              | 22,000                             |              |                        |                                  |                       | 15,725                  |                      |                                  |                       |
|     |                           |                               |       |                |                | 1              | 22,000         |                                    |              |                        |                                  |                       | 18,000                  |                      |                                  |                       |
|     |                           |                               |       |                |                | 1              | 24,500         |                                    |              |                        |                                  |                       | 20,000                  |                      |                                  |                       |
|     |                           |                               |       |                |                | 84             | 2              | 22,000                             | 200,500      | 15,725                 |                                  |                       | 15,725                  |                      | 148,075                          |                       |

**HYDRO****AMÉNAGEMENTS HYDRO-ÉLECTRIQUES**

| No.<br>Nº | Development<br>Amenagement | River<br>Rivière                              | Owner<br>Propriétaire | Year Installed<br>Année de<br>l'installation |                   | Rated Head<br>Ht.<br>nommiale en pieds | No. of<br>Units<br>de groupes | Turbines | Generators<br>Générateurs    |                              |         |
|-----------|----------------------------|-----------------------------------------------|-----------------------|----------------------------------------------|-------------------|----------------------------------------|-------------------------------|----------|------------------------------|------------------------------|---------|
|           |                            |                                               |                       | First<br>Unit                                | Premier<br>groupe |                                        |                               |          | Capacity hp.<br>Capacité hp. | Capacity kw.<br>Capacité kw. |         |
|           |                            |                                               |                       | First<br>Unit                                | Premier<br>groupe | Last<br>Unit                           | Dernier<br>groupe             |          | en HP                        | en kW                        |         |
| 25        | Chelsea                    | Gatineau                                      | HQ                    | 1927                                         | 1939              | 100                                    | 5                             | 34,000   | 170,000                      | 28,800                       | 144,000 |
| 26        | La Gabelle                 | Saint-Maurice                                 | HQ                    | 1924                                         | 1931              | 60                                     | 3                             | 36,000   |                              | 24,750                       |         |
|           |                            |                                               |                       |                                              |                   |                                        | 2                             | 32,000   | 172,000                      | 24,750                       | 123,750 |
| 27        | Rapide-des-Îles            | Ottawa (Upper)<br>- Outaouais<br>(supérieure) | HQ                    | 1966                                         | 1967              | 86                                     | 3                             | 50,000   | 150,000                      | 36,630                       | 109,890 |
| 28        | Farmers Rapids             | Gatineau                                      | HQ                    | 1927                                         | 1947              | 66                                     | 3                             | 24,000   |                              | 20,000                       |         |
|           |                            |                                               |                       |                                              |                   |                                        | 2                             | 24,000   | 120,000                      | 19,125                       | 98,250  |
| 29        | Masson                     | Lièvre                                        | MQPC                  | 1933                                         | 1933              | 185                                    | 4                             | 34,000   | 136,000                      | 23,800                       | 95,200  |
| 30        | Première Chutes            | Ottawa (Upper)<br>- Outaouais<br>(supérieure) | HQ                    | 1968                                         | 1969              |                                        | 3                             | 42,400   | 127,200                      | 31,050                       | 93,150  |
| 31        | Rapides-des-Quinze         | Ottawa (Upper)<br>- Outaouais<br>(supérieure) | HQ                    | 1923                                         | 1955              | 90                                     | 2                             | 10,000   |                              | 8,000                        |         |
|           |                            |                                               |                       |                                              |                   |                                        | 2                             | 10,000   |                              | 10,800                       |         |
|           |                            |                                               |                       |                                              |                   |                                        | 2                             | 34,500   | 109,000                      | 26,000                       | 89,600  |
| 32        | Chat Falls                 | Ottawa<br>- Outaouais                         | OVPC                  | 1932                                         | 1932              | 53                                     | 4                             | 29,940   | 119,760                      | 22,325                       | 89,300  |
| 33        | High Falls                 | Lièvre                                        | MQPC                  | 1930                                         | 1936              | 180                                    | 1                             | 32,500   |                              | 21,250                       |         |
|           |                            |                                               |                       |                                              |                   |                                        | 3                             | 30,000   | 122,500                      | 21,250                       | 85,700  |
| 34        | Rapid VII                  | Ottawa (Upper)<br>- Outaouais<br>(supérieure) | HQ                    | 1941                                         | 1949              | 68                                     | 4                             | 16,000   | 64,000                       | 14,250                       | 57,000  |
| 35        | Bryson                     | Ottawa<br>- Outaouais                         | HQ                    | 1925                                         | 1949              | 60                                     | 2                             | 25,700   |                              | 18,000                       |         |
|           |                            |                                               |                       |                                              |                   |                                        | 1                             | 27,000   | 78,400                       | 20,000                       | 56,700  |
| 36        | Murdock Willson            | Shipshaw                                      | PCL                   | 1957                                         | -                 | 263                                    | 1                             | 82,000   | 82,000                       | 51,000                       | 51,000  |
| 37        | Jim Gray                   | Shipshaw                                      | PCL                   | 1953                                         | 1953              | 338                                    | 2                             | 35,000   | 70,000                       | 25,500                       | 51,000  |
| 38        | Chutes-aux-Outardes        | Outardes                                      | QNSPC                 | 1937                                         | 1937              | 208                                    | 2                             | 36,300   | 72,600                       | 25,000                       | 50,000  |
| 39        | Chutes Fifty Foot          | Hart Jaune                                    | HJP                   | 1960                                         | 1960              | 123                                    | 3                             | 22,000   | 66,000                       | 16,150                       | 48,450  |
| 40        | Rapid II                   | Ottawa (Upper)<br>- Outaouais<br>(supérieure) | HQ                    | 1954                                         | 1964              | 67                                     | 4                             | 16,000   | 64,000                       | 12,000                       | 48,000  |
| 41        | Iles Montréal              | Des-Prairies                                  | HQ                    | 1929                                         | 1930              | 26                                     | 3                             | 8,800    |                              | 7,500                        |         |
|           |                            |                                               |                       |                                              |                   |                                        | 3                             | 12,000   | 62,400                       | 7,500                        | 45,000  |
| 42        | Chutes Dufferin            | Lièvre                                        | JMC                   | 1958                                         | 1959              | 62                                     | 2                             | 25,000   | 50,000                       | 19,125                       | 38,250  |
| 43        | Chicoutimi                 | Chicoutimi                                    | SMPC                  | 1957                                         | -                 | 273                                    | 1                             | 42,000   | 42,000                       | 32,000                       | 32,000  |
| 44        | Chutes Hemming             | Saint-François                                | HQ                    | 1925                                         | 1925              | 48                                     | 6                             | 5,600    | 33,600                       | 4,800                        | 28,800  |
| 45        | Hull 2                     | Ottawa<br>- Outaouais                         | HQ                    | 1920                                         | 1968              | 32                                     | 3                             | 7,500    |                              | 5,760                        |         |
|           |                            |                                               |                       |                                              |                   |                                        | 1                             | 13,400   | 35,900                       | 10,000                       | 27,280  |
| 46        | Sept Chutes                | St. Anne<br>(de Beaupré)                      | HQ                    | 1916                                         | 1916              | 410                                    | 4                             | 6,000    | 24,000                       | 4,680                        | 18,720  |
| 47        | St. Marguerite             | Marguerite                                    | GPC                   | 1954                                         | 1954              | 100                                    | 2                             | 12,000   | 24,000                       | 8,800                        | 17,600  |
| 48        | Kipawa                     | Gordon Creek                                  | HQ                    | 1920                                         | 1926              | 200                                    | 2                             | 3,600    |                              | 2,800                        |         |
|           |                            |                                               |                       |                                              |                   |                                        | 1                             | 8,500    |                              | 5,760                        |         |
|           |                            |                                               |                       |                                              |                   |                                        | 1                             | 9,350    | 25,050                       | 5,760                        | 17,120  |
| 49        | St. Narcisse               | Batiscan                                      | HQ                    | 1926                                         | 1926              | 147                                    | 2                             | 11,100   | 22,200                       | 7,500                        | 15,000  |
| 50        | Drummondville              | Saint François                                | HQ                    | 1910                                         | 1925              | 27                                     | 2                             | 3,200    |                              | 2,500                        |         |
|           |                            |                                               |                       |                                              |                   |                                        | 2                             | 6,000    | 18,400                       | 4,800                        | 14,600  |

**HYDRO****AMÉNAGEMENTS HYDRO-ÉLECTRIQUES**

| No. | Development         | River                                 | Owner | Year Installed                     |                                     | Rated Head<br>ft.<br>nominale de chute<br>en pieds | No. of<br>Units  | Nombre de groupes<br>de chaque<br>groupe | Turbines                                           |                                                            |                                                    | Generators<br>Générateurs                            |  |
|-----|---------------------|---------------------------------------|-------|------------------------------------|-------------------------------------|----------------------------------------------------|------------------|------------------------------------------|----------------------------------------------------|------------------------------------------------------------|----------------------------------------------------|------------------------------------------------------|--|
|     |                     |                                       |       | First<br>Unit<br>Premier<br>groupe | Latest<br>Unit<br>Dernier<br>groupe |                                                    |                  |                                          | Capacity<br>hp.<br>Capacité<br>de chaque<br>groupe | Total<br>Capacity<br>en HP<br>Capacité<br>globale<br>en HP | Unit Capacity<br>en kW<br>Capacité<br>groupe en kW | Total Capacity<br>en kW<br>Capacité<br>globale en kW |  |
| 51  | Chutes aux Galets   | Shipshaw                              | PCL   | 1921                               | 1921                                | 101                                                | 2                | 8,820                                    | 17,640                                             | 6,800                                                      |                                                    | 13,600                                               |  |
| 52  | Chutes Chaudière    | Ottawa<br>Outaouais                   | EBEC  | 1913                               | 1955                                | 38                                                 | 3                | 5,500                                    | 16,500                                             | 3,750                                                      |                                                    | 11,250                                               |  |
| 53  | Chicoutimi          | Chicoutimi                            | PCL   | 1923                               | -                                   | 72                                                 | 1                | 11,000                                   | 11,000                                             | 9,900                                                      |                                                    | 9,900                                                |  |
| 54  | W.R. Beatty         | Black                                 | PELC  | 1917                               | 1951                                | 129                                                | 1<br>1<br>1<br>2 | 1,800<br>2,250<br>2,500<br>3,000         | 12,550                                             | 1,250<br>1,530<br>1,800<br>2,250                           |                                                    | 9,080                                                |  |
| 55  | Buckingham          | Lièvre                                | ERC   | 1914                               | 1939                                | 30                                                 | 1<br>1<br>3      | 2,000<br>2,500<br>2,000                  | 10,500                                             | 1,375<br>1,836<br>1,440                                    |                                                    | 7,531                                                |  |
| 56  | Price               | Mitis                                 | HQ    | 1922                               | 1929                                | 120                                                | 1<br>1           | 3,700<br>5,900                           | 9,600                                              | 2,400<br>4,000                                             |                                                    | 6,400                                                |  |
| 57  | Adam Cunningham     | Shipshaw                              | PCL   | 1953                               | -                                   | 56                                                 | 1                | 9,500                                    | 9,500                                              | 6,375                                                      |                                                    | 6,375                                                |  |
| 58  | Port-Arnaud         | Chicoutimi                            | HQ    | 1912                               | 1917                                | 56                                                 | 1<br>2           | 2,500<br>2,500                           | 7,500                                              | 1,700<br>1,875                                             |                                                    | 5,450                                                |  |
| 59  | Bell Falls          | Rouge                                 | HQ    | 1915                               | 1920                                | 54                                                 | 3                | 2,400                                    | 7,200                                              | 1,600                                                      |                                                    | 4,800                                                |  |
| 60  | Kénogami            | Au Sable                              | PCL   | 1912                               | 1912                                | 264                                                | 2                | 3,350                                    | 6,700                                              | 2,345                                                      |                                                    | 4,690                                                |  |
| 61  | Grand Mitis No. 2   | Mitis                                 | HQ    | 1947                               | -                                   | 75                                                 | 1                | 6,000                                    | 6,000                                              | 4,250                                                      |                                                    | 4,250                                                |  |
| 62  | Jonquière No. 1     | Au Sable                              | MJ    | 1907                               | 1924                                | 42<br>47                                           | 1<br>1           | 1,800<br>4,030                           | 5,830                                              | 1,280<br>2,812                                             |                                                    | 4,092                                                |  |
| 63  | Westbury            | Saint-François                        | VS    | 1928                               | 1928                                | 28                                                 | 2                | 2,900                                    | 5,800                                              | 2,000                                                      |                                                    | 4,000                                                |  |
| 64  | Chaudière           | Chaudière                             | HQ    | 1903                               | 1904                                | 114                                                | 2<br>1           | 1,400<br>2,000                           | 4,800                                              | 1,000<br>1,500                                             |                                                    | 3,500                                                |  |
| 65  | Lachute Mills       | Nord (du)                             | AL    | 1929                               | 1929                                | 36                                                 | 3                | 1,500                                    | 4,500                                              | 1,080                                                      |                                                    | 3,240                                                |  |
| 66  | Windsor Mills       | Saint-François                        | DPP   | 1936                               | 1939                                | 19                                                 | 2<br>1<br>1      | 1,500<br>800<br>430                      | 4,230                                              | 1,120<br>600<br>320                                        |                                                    | 3,160                                                |  |
| 67  | Weedon              | Saint-François                        | VS    | 1920                               | 1926                                | 30<br>29                                           | 2<br>1           | 1,700<br>1,700                           | 5,100                                              | 1,040<br>1,040                                             |                                                    | 3,120                                                |  |
| 68  | St. Alban           | Ste. Anne de la<br>Pérade             | HQ    | 1927                               | -                                   | 64                                                 | 1                | 4,000                                    | 4,000                                              | 3,000                                                      |                                                    | 3,000                                                |  |
| 69  | Ogilvie Flour Mills | Canal Lachine                         | OFM   | 1940                               | 1948                                | 23<br>15                                           | 2                | 1,600<br>400                             | 4,000                                              | 1,200<br>300                                               |                                                    | 3,000                                                |  |
| 70  | St. Raphael         | Sud (du)                              | HQ    | 1921                               | 1921                                | 232                                                | 3                | 1,500                                    | 4,500                                              | 850                                                        |                                                    | 2,550                                                |  |
| 71  | Domtar              | Jacques Cartier                       | DPP   | 1960                               | 1962                                | 60                                                 | 2                | 1,200                                    | 2,400                                              | 1,200                                                      |                                                    | 2,400                                                |  |
| 72  | MacDougall          | Jacques Cartier                       | DPP   | 1925                               | 1927                                | 55                                                 | 2                | 1,900                                    | 3,800                                              | 1,200                                                      |                                                    | 2,400                                                |  |
| 73  | Jonquière           | Au sable                              | PCL   | 1916                               | 1916                                | 67                                                 | 1<br>1           | 1,800<br>1,625                           | 3,425                                              | 1,200<br>1,200                                             |                                                    | 2,400                                                |  |
| 74  | Winneway            | Winneway<br>(Outaouais<br>supérieure) | LMC   | 1938                               | 1943                                | 54                                                 | 2                | 1,400                                    | 2,800                                              | 1,169                                                      |                                                    | 2,338                                                |  |
| 75  | Mont Laurier        | Lièvre                                | HQ    | 1937                               | 1951                                | 22                                                 | 1<br>2           | 500<br>1,325                             | 3,150                                              | 500<br>900                                                 |                                                    | 2,300                                                |  |
| 76  | Sherbrooke          | Magog                                 | HQ    | 1910                               | 1910                                | 55                                                 | 3                | 1,333                                    | 4,000                                              | 752                                                        |                                                    | 2,256                                                |  |
| 77  | Garneau             | Chicoutimi                            | HQ    | 1925                               | -                                   | 33                                                 | 1                | 3,450                                    | 3,450                                              | 2,240                                                      |                                                    | 2,240                                                |  |

**HYDRO****AMÉNAGEMENTS HYDRO-ÉLECTRIQUES**

| No.                                                                                                                                                   | Development      | River           | Owner | Propriétaire | Year Installed |                   | Rated Head<br>ft.<br>nominale en pieds | No. of<br>Units | Units<br>Capacity hp.<br>de chaque<br>groupe | Turbines                          |                                     | Generators<br>Générateurs                                  |                                                 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|-----------------|-------|--------------|----------------|-------------------|----------------------------------------|-----------------|----------------------------------------------|-----------------------------------|-------------------------------------|------------------------------------------------------------|-------------------------------------------------|
|                                                                                                                                                       |                  |                 |       |              | First<br>Unit  | Premier<br>groupe |                                        |                 |                                              | Total<br>Capacity<br>en HP<br>hp. | Capacity<br>globale<br>en HP<br>kW. | Unit Capacity kW.<br>Capacité<br>de chaque<br>groupe en kW | Total Capacity kW.<br>Capacité<br>globale en kW |
| 78                                                                                                                                                    | Magog            | Magog           | DTC   | 1920         | 1920           | 25                | 2                                      | 1,500           | 3,000                                        | 1,000                             | 2,000                               |                                                            |                                                 |
| 79                                                                                                                                                    | Corbeau          | Gatineau        | HQ    | 1926         | 1926           | 16                | 2                                      | 1,250           | 2,500                                        | 1,000                             | 2,000                               |                                                            |                                                 |
| 80                                                                                                                                                    | Bird's           | Jacques Cartier | DPP   | 1937         | -              | 27                | 1                                      | 2,250           | 2,250                                        | 1,920                             | 1,920                               |                                                            |                                                 |
| 81                                                                                                                                                    | Rock Forest      | Magog           | VS    | 1911         | 1911           | 30                | 2                                      | 1,500           | 3,000                                        | 940                               | 1,880                               |                                                            |                                                 |
| 82                                                                                                                                                    | Rivière-du-Loup  | Du Loup         | VRL   | 1929         | 1942           | 100               | 1                                      | 960             | 2,860                                        | 640                               | 1,200                               | 1,840                                                      |                                                 |
| 83                                                                                                                                                    | East Angus Mill  | Saint François  | DPP   | 1910         | 1910           | 33                | 1                                      | 1,090           |                                              | 846                               |                                     |                                                            |                                                 |
|                                                                                                                                                       |                  |                 |       |              |                | 33                | 1                                      | 1,090           |                                              | 990                               |                                     |                                                            |                                                 |
|                                                                                                                                                       |                  |                 |       |              |                | 20                | 1                                      | 252             | 2,432                                        | -                                 | 1,836                               |                                                            |                                                 |
| 84                                                                                                                                                    | Magpie           | Magpie          | HQ    | 1961         | 1961           | 31                | 2                                      | 1,500           | 3,000                                        | 900                               | 1,800                               |                                                            |                                                 |
| 85                                                                                                                                                    | Rawdon           | Ouareau         | HQ    | 1928         | -              | 46                | 1                                      | 2,300           | 2,300                                        | 1,720                             | 1,720                               |                                                            |                                                 |
| 86                                                                                                                                                    | Frontenac        | Magog           | VS    | 1917         | 1917           | 38                | 2                                      | 1,450           | 2,900                                        | 800                               | 1,600                               |                                                            |                                                 |
| 87                                                                                                                                                    | Chutes Burroughs | Nigger          | HQ    | 1929         | -              | 180               | 1                                      | 2,000           | 2,000                                        | 1,600                             | 1,600                               |                                                            |                                                 |
| Total capacity of plants under 1,500 kw.<br>Puissance installée globale des centrales de moins de 1,500 kW.                                           |                  |                 |       |              |                |                   |                                        |                 |                                              | 25,360                            | 16,548                              |                                                            |                                                 |
| Total capacity of turbines connected directly to mechanical equipment<br>Puissance globale des turbines couplées directement à l'équipement mécanique |                  |                 |       |              |                |                   |                                        |                 |                                              | 59,365                            |                                     |                                                            |                                                 |
| Total (all plants) Puissance installée de toutes les centrales                                                                                        |                  |                 |       |              |                |                   |                                        |                 |                                              | 17,356,552                        | 12,499,196                          |                                                            |                                                 |

**THERMAL****AMÉNAGEMENTS THERMO-ÉLECTRIQUES**

| No. | Station<br>Centrale | Location<br>Emplacement | Owner | Year Installed |            | Combustible    | Type de moteur primaire | No. de groupes | Unit Capacity<br>kW. | Generators<br>Générateurs |                   |
|-----|---------------------|-------------------------|-------|----------------|------------|----------------|-------------------------|----------------|----------------------|---------------------------|-------------------|
|     |                     |                         |       | Propriétaire   | First Unit | Premier groupe | Latest Unit             | Dernier groupe | Fuel                 | Type de moteur primaire   | Nombre de groupes |
| 1   | Tracy               | Tracy                   | HQ    | 1964           | 1968       | b              | S                       | 4              | 150,000              |                           | 600,000           |
| 2   | Les Boules          | Les Boules              | HQ    | 1955           | 1960       | b              | GT                      | 6              | 6,000                |                           | 36,000            |
| 3   | Kenogami Mill       | Kénogami                | PCL   | 1967           | -          | b              | S                       | 1              | 14,750               |                           | 14,750            |
| 4   | Chandler            | Chandler                | GPP   | 1930           | 1954       | b              | S                       | 1              | 6,000                |                           |                   |
|     |                     |                         |       |                |            |                |                         | 1              | 2,500                |                           |                   |
|     |                     |                         |       |                |            |                |                         | 1              | 4,000                |                           | 12,500            |
| 5   | Noranda             | Noranda                 | NM    | 1934           | 1957       | f              | S                       | 1              | 2,600                |                           |                   |
|     |                     |                         |       |                |            |                |                         | 1              | 3,000                |                           |                   |
|     |                     |                         |       |                |            |                |                         | 1              | 4,500                |                           | 10,100            |
| 6   | Cap aux Meules      | Iles-de-la-Madeleine    | HQ    | 1953           | 1964       | b              | IC                      | 1              | 1,065                |                           |                   |
|     |                     |                         |       |                |            |                |                         | 3              | 1,000                |                           |                   |
|     |                     |                         |       |                |            |                |                         | 1              | 1,200                |                           |                   |
|     |                     |                         |       |                |            |                |                         | 2              | 2,200                |                           | 9,665             |
| 7   | Drummondville       | Drummondville           | CCL   | 1935           | 1953       | b,d            | S                       | 1              | 1,500                |                           |                   |
|     |                     |                         |       |                |            |                |                         | 1              | 2,500                |                           |                   |
|     |                     |                         |       |                |            |                |                         | 1              | 3,500                |                           |                   |
|     |                     |                         |       |                |            |                |                         | 1              | 2,000                |                           | 9,500             |

Gas Turbine GT Turbine à Gaz  
Internal Combustion IC Combustion Interne  
Steam S Vapeur  
Combustion Turbine CT Turbine à Combustion

## THERMAL

## AMÉNAGEMENTS THERMO-ÉLECTRIQUES

| No.<br>Nº | Station<br>Centrale              | Location<br>Emplacement | Owner<br>Propriétaire | Year Installed<br>Année de l'installation |                               |                               |      | Type of Prime Mover<br>Type de moteur primaire | No. Unit<br>Nombre de groupes | Capacity<br>kW.<br>Capacité<br>de chaque<br>groupe en kW. | Generators<br>Générateurs |
|-----------|----------------------------------|-------------------------|-----------------------|-------------------------------------------|-------------------------------|-------------------------------|------|------------------------------------------------|-------------------------------|-----------------------------------------------------------|---------------------------|
|           |                                  |                         |                       | First Unit<br>Premier groupe              | Premier groupe<br>Latest Unit | Latest Unit<br>Dernier groupe | Fuel |                                                |                               |                                                           |                           |
| 8         | Murdochville                     | Murdochville            | GCM                   | 1952                                      | 1955                          | b,f                           | S    | 1                                              | 5,400                         |                                                           |                           |
|           |                                  |                         |                       |                                           |                               |                               | IC   | 2                                              | 1,000                         | 300                                                       | 7,700                     |
| 9         | Thurso                           | Thurso                  | TPPC                  | 1957                                      | -                             | b,c,d                         | S    | 1                                              | 7,500                         |                                                           | 7,500                     |
| 10        | Ville de Québec                  | Ville de Québec         | ACPP                  | 1927                                      | -                             | b                             | S    | 1                                              | 6,000                         |                                                           | 6,000                     |
| 11        | Magog                            | Magog                   | DTC                   | 1938                                      | 1948                          | d                             | S    | 2                                              | 2,000                         |                                                           | 4,000                     |
| 12        | Montréal                         | Montréal                | CDSC                  | 1925                                      | 1947                          | a,b                           | S    | 2                                              | 1,000                         | 1,500                                                     | 3,500                     |
| 13        | Gatineau                         | Gatineau                | CIPC                  | 1927                                      | 1960                          | b,c                           | S    | 4                                              | 750                           |                                                           | 3,000                     |
| 14        | Schefferville                    | Schefferville           | IOCC                  | 1956                                      | 1956                          | b                             | IC   | 3                                              | 1,000                         |                                                           | 3,000                     |
| 15        | Trois Rivières                   | Trois Rivières          | CIPC                  | 1922                                      | 1925                          | b,c                           | S    | 6                                              | 500                           |                                                           | 3,000                     |
| 16        | Havre St. Pierre                 | Havre St. Pierre        | REC                   | 1950                                      | 1963                          | b                             | IC   | 1                                              | 1,000                         | 500                                                       |                           |
|           |                                  |                         |                       |                                           |                               |                               |      | 3                                              | 300                           |                                                           | 2,400                     |
| 17        | Port et terminus<br>(de réserve) | Port Cartier            | QCMC                  | 1960                                      | 1960                          | b                             | IC   | 2                                              | 1,000                         |                                                           | 2,000                     |
| 18        | Lac Jeannine<br>(de réserve)     | Gagnon                  | QCMC                  | 1960                                      | 1960                          | b                             | IC   | 2                                              | 1,000                         |                                                           | 2,000                     |
| 19        | Havre St. Pierre                 | Havre St. Pierre        | HQ                    | 1967                                      | -                             | b                             | IC   | 2                                              | 1,000                         |                                                           | 2,000                     |
| 20        | Desmaraîsville                   | Desmaraîsville          | CM                    | 1960                                      | 1964                          |                               |      | 13                                             | 136                           | 152                                                       | 1,920                     |
| 21        | Rivière-du-Loup                  | Rivière-du-Loup         | VRL                   | 1947                                      | 1953                          | b                             | IC   | 2                                              | 240                           | 1,360                                                     | 1,840                     |
| 22        | Blanc Sablon                     | Blanc Sablon            | HQ                    | 1965                                      | 1967                          | b                             | IC   | 2                                              | 600                           | 350                                                       | 1,550                     |

Total capacity of plants 1,500 kw. and over (not listed above) 7,250  
 Puissance installée globale des centrales de 1,500 kW et plus (non comprises ci-dessus)  
 Total capacity of plants under 1,500 kw. 13,425  
 Puissance installée globale des centrales de moins de 1,500 kW

Total (all plants) Puissance installée de toutes les centrales 764,600

Combined Hydro and Thermal Total 13,263,796  
 Puissance Totale Hydro-Électrique et Thermo-Électrique

|                     |    |                      |
|---------------------|----|----------------------|
| Gas Turbine         | GT | Turbine à Gaz        |
| Internal Combustion | IC | Combustion Interne   |
| Steam               | S  | Vapeur               |
| Combustion Turbine  | CT | Turbine à Combustion |



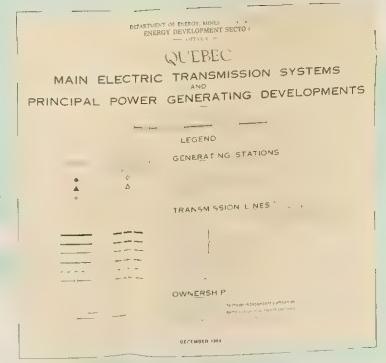
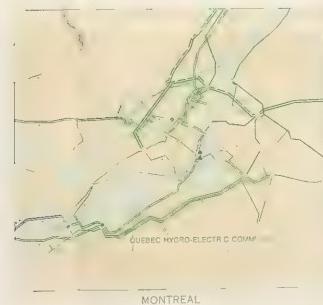
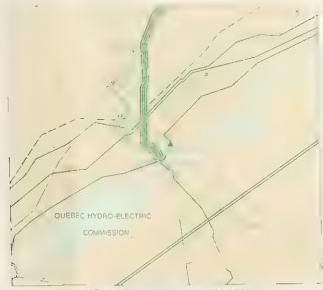
**owner code**

**INDEX**

**des propriétaires**

| SIGLE      | PROPRIÉTAIRE                                |
|------------|---------------------------------------------|
| ACPP.....  | Anglo-Canadian Pulp and Paper Mills Limited |
| AL.....    | Ayers Limited                               |
| ALCAN..... | Aluminum Company of Canada Limited          |
| CCL.....   | Canadian Celanese Limited                   |
| CDSC.....  | Canada and Dominion Sugar Company Limited   |
| CHEQ.....  | Commission hydroélectrique de Québec        |
| CIPC.....  | Canadian International Paper Company        |
| CM.....    | Coniagas Mines Limited                      |
| DP.....    | Donnacona Paper Company                     |
| DPP.....   | Domtar Pulp and Paper Company Limited       |
| EBEC.....  | E. B. Eddy Company                          |
| ERC.....   | Electric Reduction Company                  |
| GCM.....   | Gaspé Copper Mines Limited                  |
| GPC.....   | Gulf Power Company                          |
| GPP.....   | Gaspesia Pulp and Paper Company Limited     |
| HJP.....   | Hart Jaune Power Company                    |
| HQ.....    | Commission hydroélectrique de Québec        |
| IOCC.....  | Iron Ore Company of Canada                  |
| JMC.....   | James MacLaren Company Limited              |
| LMC.....   | Lorraine Mining Company Limited             |
| MJ.....    | Municipalité de Jonquière                   |
| MP.....    | Manicouagan Power Company                   |
| MQPC.....  | MacLaren-Québec Power Company               |
| NM.....    | Noranda Mines Limited                       |
| OFM.....   | Ogilvie Flour Mills                         |
| OVPC.....  | Ottawa Valley Power Company                 |
| PCL.....   | Price Company Limited                       |
| PELC.....  | Pembroke Electric Light Company Limited     |
| QCMC.....  | Québec Cartier Mining Company               |
| QNSPC..... | Québec-North Shore Paper Company            |
| REC.....   | Romaine Electric Company Limited            |
| SAPC.....  | Saguenay Power Company                      |
| SMPC.....  | Smelter Power Corporation                   |
| TPPC.....  | Thurso Pulp and Paper Company               |
| VRL.....   | Ville de Rivière-du-Loup                    |
| VS.....    | Ville de Sherbrooke                         |

| CODE       | OWNER                                       |
|------------|---------------------------------------------|
| ACPP.....  | Anglo-Canadian Pulp and Paper Mills Limited |
| AL.....    | Ayers Limited                               |
| ALCAN..... | Aluminum Company of Canada Limited          |
| CCL.....   | Canadian Celanese Limited                   |
| CDSC.....  | Canada and Dominion Sugar Company Limited   |
| CIPC.....  | Canadian International Paper Company        |
| CM.....    | Coniagas Mines Limited                      |
| CRL.....   | City of Rivière-du-Loup                     |
| CS.....    | City of Sherbrooke                          |
| DP.....    | Donnacona Paper Company                     |
| DPP.....   | Domtar Pulp and Paper Company Limited       |
| EBEC.....  | E. B. Eddy Company                          |
| ERC.....   | Electric Reduction Company                  |
| GCM.....   | Gaspé Copper Mines Limited                  |
| GPC.....   | Gulf Power Company                          |
| GPP.....   | Gaspesia Pulp and Paper Company Limited     |
| HJP.....   | Hart Jaune Power Company                    |
| HQ .....   | Québec Hydro-Electric Commission            |
| IOCC.....  | Iron Ore Company of Canada                  |
| JMC.....   | James MacLaren Company Limited              |
| LMC.....   | Lorraine Mining Company Limited             |
| MJ.....    | Municipality of Jonquière                   |
| MP.....    | Manicouagan Power Company                   |
| MQPC.....  | MacLaren-Québec Power Company               |
| NM.....    | Noranda Mines Limited                       |
| OFM.....   | Ogilvie Flour Mills                         |
| OVPC.....  | Ottawa Valley Power Company                 |
| PCL.....   | Price Company Limited                       |
| PELC.....  | Pembroke Electric Light Company Limited     |
| QCMC.....  | Québec Cartier Mining Company               |
| QHEC.....  | Québec Hydro-Electric Commission            |
| QNSPC..... | Québec-North Shore Paper Company            |
| REC.....   | Romaine Electric Company Limited            |
| SAPC.....  | Saguenay Power Company                      |
| SMPC.....  | Smelter Power Corporation                   |
| TPPC.....  | Thurso Pulp and Paper Company               |





MAPTEAU DES RESEAUX DE TRANSPORT D'ENERGIE  
SOCIETE D'EXPLOITATION DE L'ENERGIE  
HYDRO-ELECTRIQUE  
QUEBEC  
PRINCIPAUX RESEAUX DE TRANSPORT D'ENERGIE  
ELECTRIQUE  
ET  
PRINCIPAUX AMENAGEMENTS ELECTROGENES

LEGENDE

CENTRALES

TRANSMISSION

LIGNES DE TRANSPORT

PROPRIETE

DECembre 1963

Energy Development Sector  
DEPARTMENT OF ENERGY, MINES AND RESOURCES  
OTTAWA, CANADA

Secteur de l'exploitation de l'énergie  
MINISTÈRE DE L'ÉNERGIE, DES MINES ET DES RESSOURCES  
OTTAWA, CANADA















